

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052541.D
 Acq On : 29 Nov 2018 1:40
 Operator : MD\SY
 Sample : VN1128WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1128WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:33:01 AM

Quant Time: Nov 29 02:55:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	179137	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1046113	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	905149	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	358939	29.41	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.03%
60) 4-Bromofluorobenzene	12.40	95	416147	30.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.23%
63) Toluene-d8	10.09	98	1247607	29.73	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	182230	17.861	ug/l 99
3) Chloromethane	2.06	50	243131	17.969	ug/l 99
4) Vinyl Chloride	2.19	62	255835	18.734	ug/l 95
5) Bromomethane	2.58	94	149116	19.150	ug/l 98
6) Chloroethane	2.71	64	156799	19.307	ug/l 98
7) Trichlorofluoromethane	3.02	101	320125	18.994	ug/l 99
8) Diethyl Ether	3.41	74	120624	19.383	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.77	101	197314	18.468	ug/l 97
10) 1,1-Dichloroethene	3.74	96	192582	19.171	ug/l 97
11) Methyl Iodide	3.96	142	258890	18.562	ug/l 100
12) Methyl Acetate	4.33	43	159339	18.668	ug/l 98
13) Acrolein	3.61	56	88692	88.460	ug/l 98
14) Acrylonitrile	4.99	53	343041	94.325	ug/l 97
15) Acetone	3.82	58	73314	77.841	ug/l 97
16) Carbon Disulfide	4.06	76	559655	17.597	ug/l 100
17) Allyl chloride	4.33	41	303091	17.301	ug/l 98
18) Methylene Chloride	4.55	84	225500	19.387	ug/l 94
19) trans-1,2-Dichloroethene	5.05	96	209979	19.423	ug/l 96
20) Diisopropyl ether	5.95	45	692659	18.814	ug/l 97
21) 1,1-Dichloroethane	5.85	63	405406	19.320	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	243493	19.653	ug/l 96
23) tert-Butyl Alcohol	4.78	59	57682	106.620	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	532710	20.214	ug/l 100
25) Chloroform	7.37	83	395347	19.529	ug/l 100
26) Cyclohexane	7.66	56	359659	18.173	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	299306	18.736	ug/l 99
30) 2-Butanone	6.83	43	377762	88.371	ug/l 99
31) 2,2-Dichloropropane	6.83	77	240683	16.365	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	321812	19.360	ug/l 97
33) Carbon Tetrachloride	7.78	117	273285	18.790	ug/l 99
34) Benzene	8.04	78	916696	19.086	ug/l 98
35) Methacrylonitrile	7.17	41	96352	18.167	ug/l 96
36) 1,2-Dichloroethane	8.13	62	279425	19.199	ug/l 100
37) Trichloroethene	8.84	130	238774	19.605	ug/l 98
38) Methylcyclohexane	9.08	83	355233	17.963	ug/l 97
39) 1,2-Dichloropropane	9.12	63	240883	18.710	ug/l 97
40) Dibromomethane	9.21	93	137147	19.712	ug/l 97

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 Acq On : 29 Nov 2018 1:40
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 Sample : VN1128WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/29/2018 9:33:01 AM

Quant Time: Nov 29 02:55:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	291002	18.931	ug/l	99
42) Vinyl Acetate	5.90	43	2112986	91.357	ug/l	98
43) Ethyl Acetate	6.93	43	165275	18.183	ug/l #	69
44) Isopropyl Acetate	8.17	43	315284	19.777	ug/l	98
45) 1,4-Dioxane	9.20	88	36077	413.676	ug/l	93
46) Methyl methacrylate	9.20	41	156436	18.900	ug/l	96
47) n-amyl Acetate	12.07	43	243081	18.391	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	267886	17.973	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	330292	18.189	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	196216	19.896	ug/l	98
51) Ethyl methacrylate	10.43	69	242746	19.598	ug/l	98
52) 1,3-Dichloropropane	10.71	76	336136	19.148	ug/l	99
53) Dibromochloromethane	10.90	129	205333	18.911	ug/l	97
54) 1,2-Dibromoethane	11.01	107	192127	19.936	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	730008	100.685	ug/l	99
56) Bromoform	12.13	173	132971	18.736	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	868778	99.004	ug/l	98
59) 2-Hexanone	10.75	43	565259	94.297	ug/l	98
61) Tetrachloroethene	10.63	164	235757	21.148	ug/l	95
62) Toluene	10.16	91	985778	19.756	ug/l	100
64) Chlorobenzene	11.44	112	603724	19.823	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	208822	19.753	ug/l	99
66) Ethyl Benzene	11.51	91	1051502	19.552	ug/l	99
67) m/p-Xylenes	11.62	106	799327	39.895	ug/l	98
68) o-Xylene	11.95	106	388861	19.997	ug/l	100
69) Styrene	11.97	104	614072	19.564	ug/l	100
70) Isopropylbenzene	12.25	105	1037134	20.045	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	223199	19.831	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	193011m	19.977	ug/l	
73) Bromobenzene	12.53	156	251029	20.060	ug/l	96
74) n-propylbenzene	12.59	91	1160580	19.251	ug/l	99
75) 2-Chlorotoluene	12.68	91	691374	19.758	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	836864	20.025	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	51514	16.878	ug/l	96
78) 4-Chlorotoluene	12.77	91	679431	19.443	ug/l	99
79) tert-butylbenzene	12.99	119	737554	20.265	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	834613	19.958	ug/l	100
81) sec-Butylbenzene	13.17	105	976940	19.271	ug/l	100
82) p-Isopropyltoluene	13.29	119	845800	19.594	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	436424	19.829	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	420042	19.754	ug/l	99
85) n-Butylbenzene	13.62	91	674997	18.204	ug/l	99
86) Hexachloroethane	13.88	117	133911	18.309	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	426546	20.366	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	31119	19.738	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	198383	19.226	ug/l	99
90) Hexachlorobutadiene	15.01	225	129451	19.124	ug/l	100
91) Naphthalene	15.14	128	416182	19.973	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	189589	19.937	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Manual Integrations
APPROVED

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11/29/2018 9:33:01 AM

Quant Time: Nov 29 02:55:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration

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

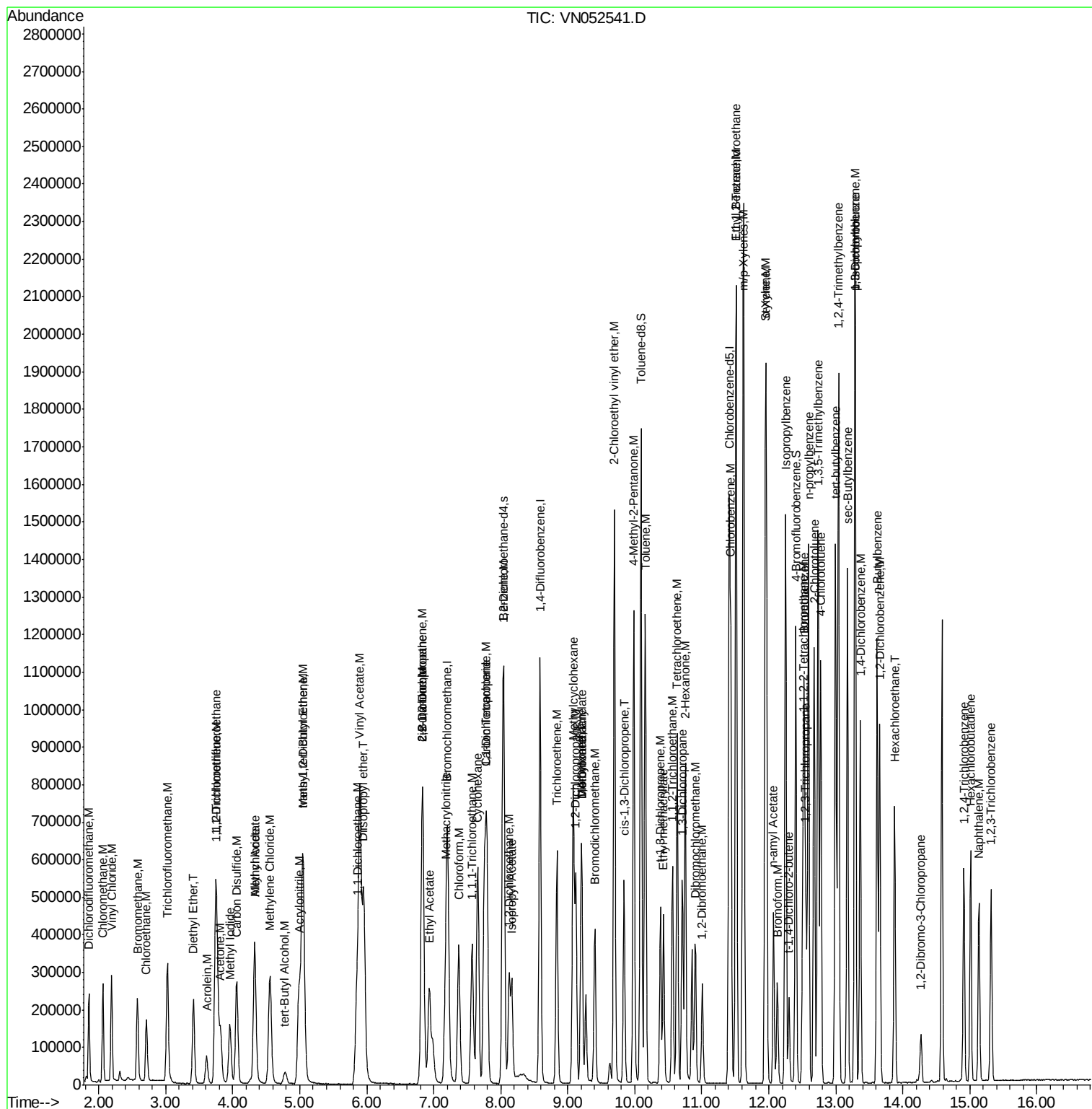
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052541.D
Acq On : 29 Nov 2018 1:40
Operator : MD\SY
Sample : VN1128WBSD02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 39 Sample Multiplier: 28

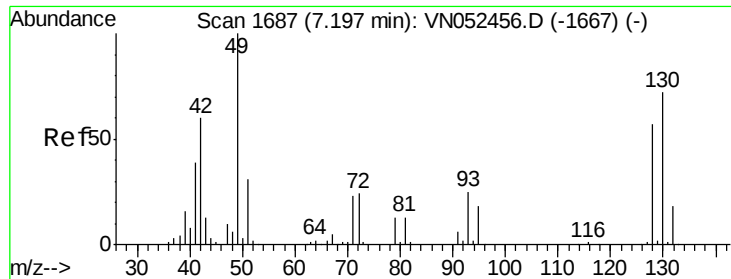
Instrument :
MSVOA_N
Client Sample Id :
VN1128WBSD02

Manual Integrations
APPROVED

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11/29/2018 9:33:01 AM

Quant Time: Nov 29 02:55:52 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Nov 27 00:48:33 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

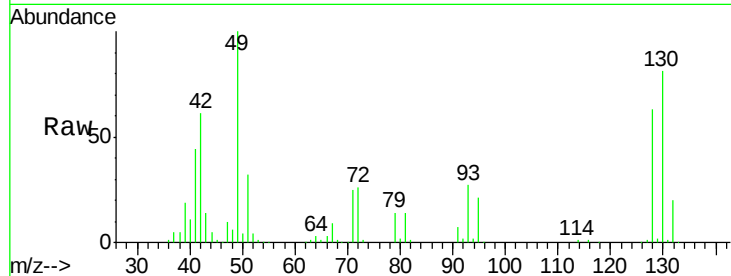
ClientSampleId :

VN1128WBSD02

Tot Ion:	128	Resp:	179137
Ion Ratio	Lower	Upper	
128	100		
49	158.3	0.0	431.8
130	129.0	0.0	317.0

Manual Integrations
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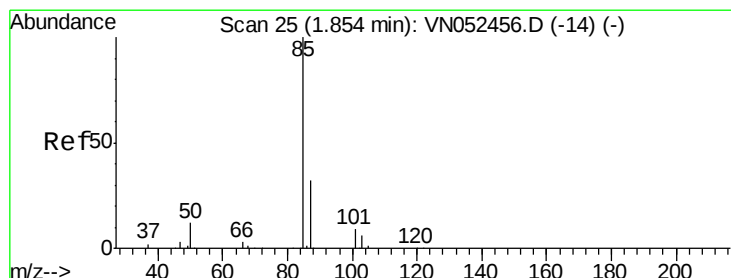
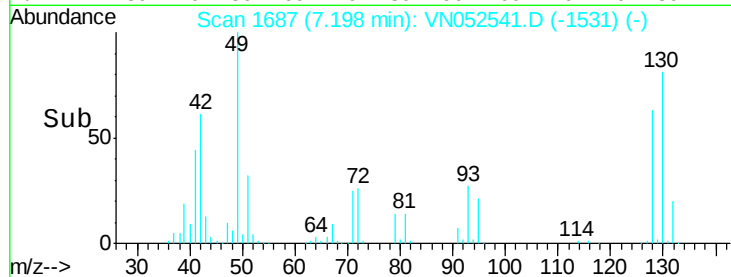
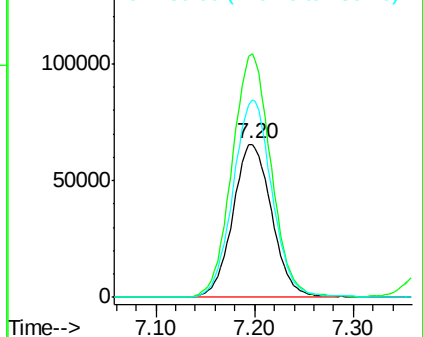
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 17.861 ug/l

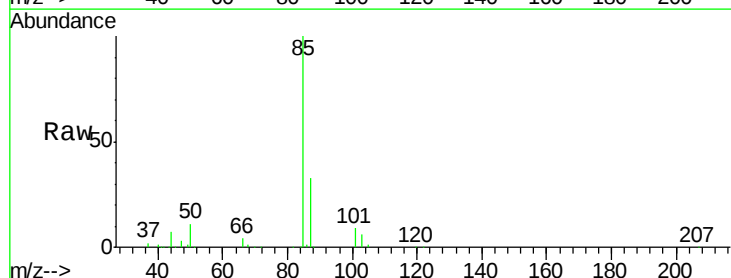
RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052541.D

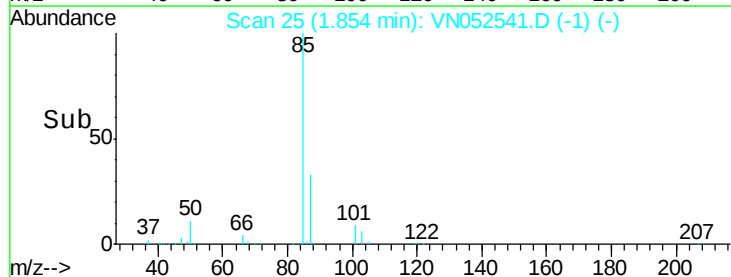
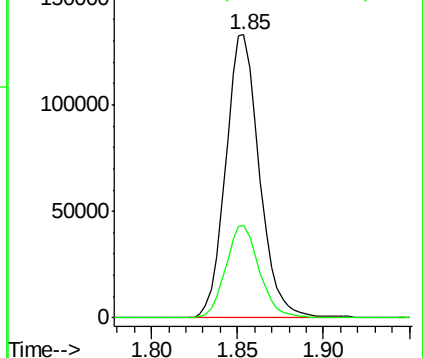
Acq: 29 Nov 2018 1:40

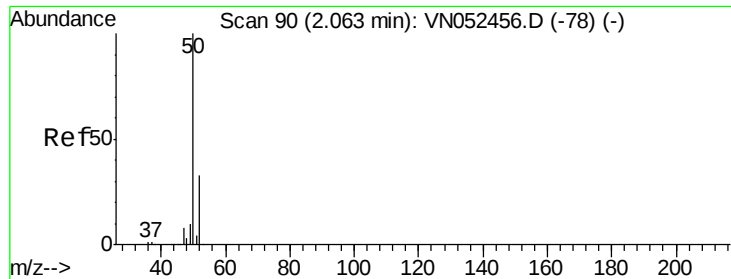
Tgt Ion:	85	Resp:	182230
Ion Ratio	Lower	Upper	
85	100		
87	32.7	16.1	48.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 17.969 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 50 Resp: 243131

Ion Ratio Lower Upper

50 100

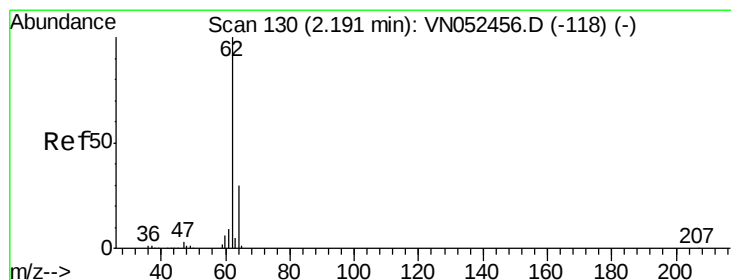
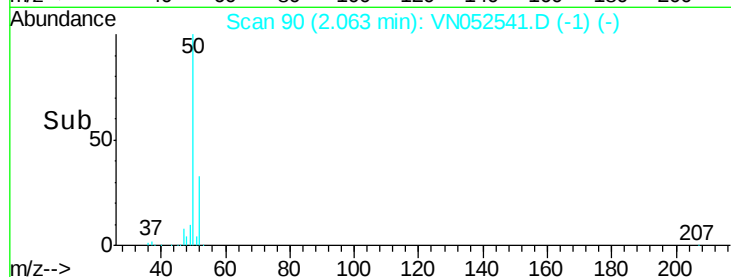
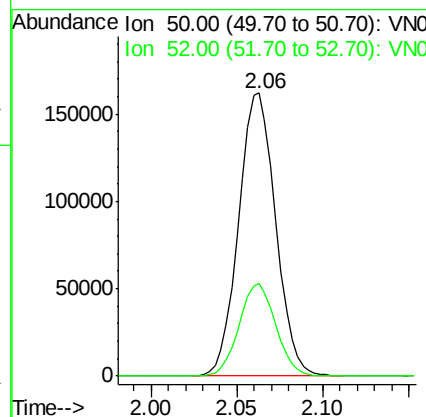
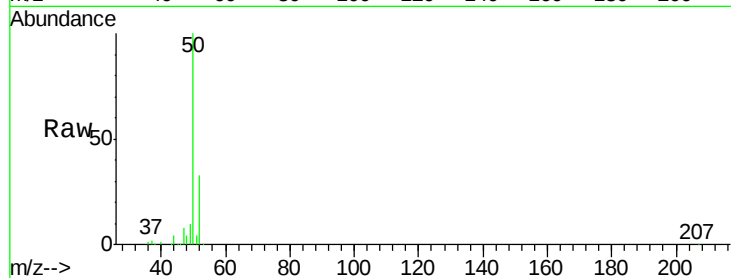
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.734 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052541.D

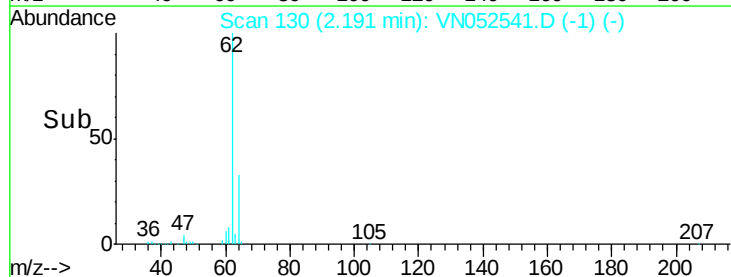
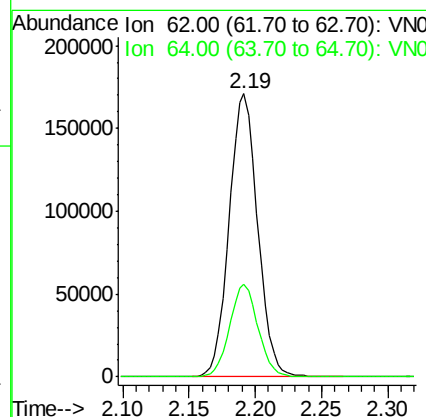
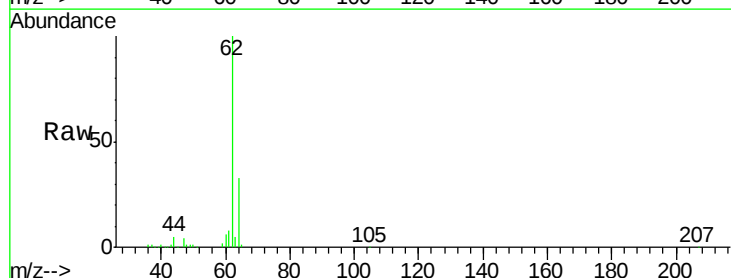
Acq: 29 Nov 2018 1:40

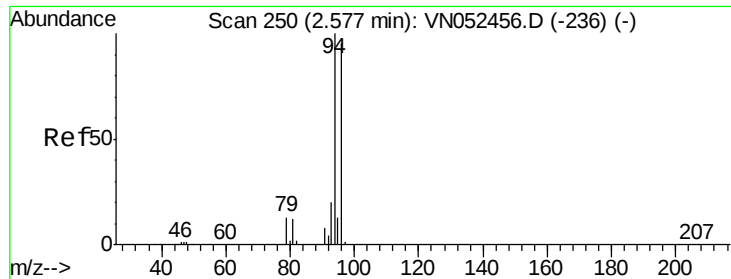
Tgt Ion: 62 Resp: 255835

Ion Ratio Lower Upper

62 100

64 32.8 24.2 36.4





#5

Bromomethane

Concen: 19.150 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 94 Resp: 149116

Ion Ratio Lower Upper

94 100

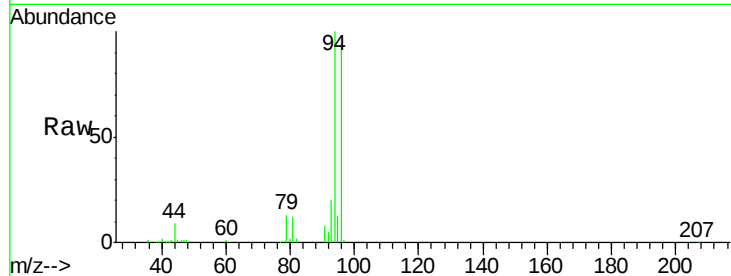
96 93.7 76.2 114.2

Manual Integrations

APPROVED

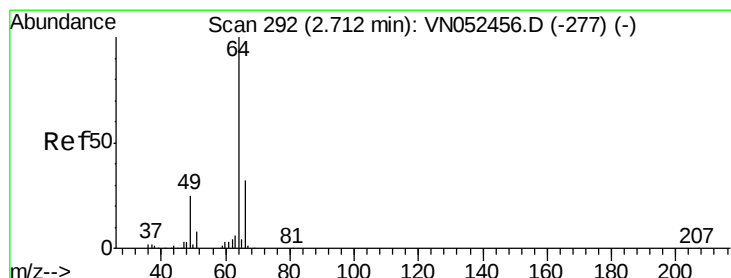
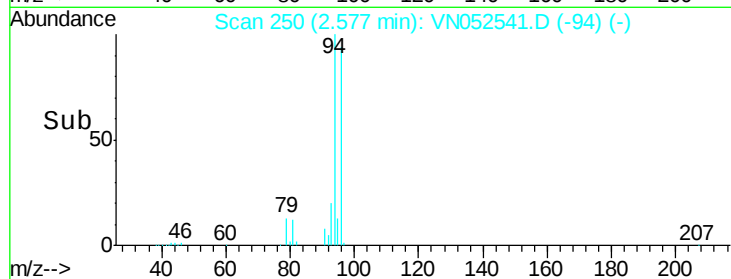
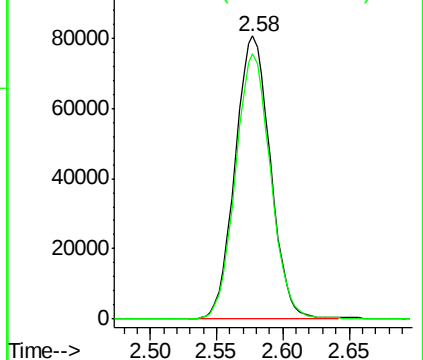
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.307 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052541.D

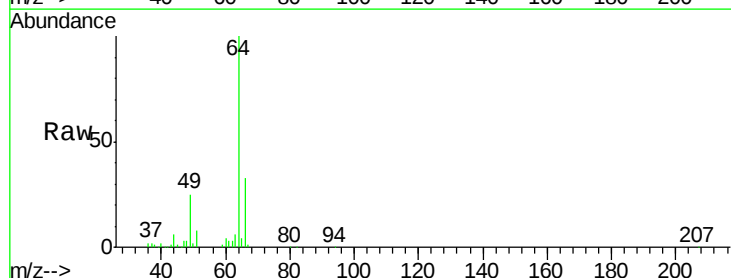
Acq: 29 Nov 2018 1:40

Tgt Ion: 64 Resp: 156799

Ion Ratio Lower Upper

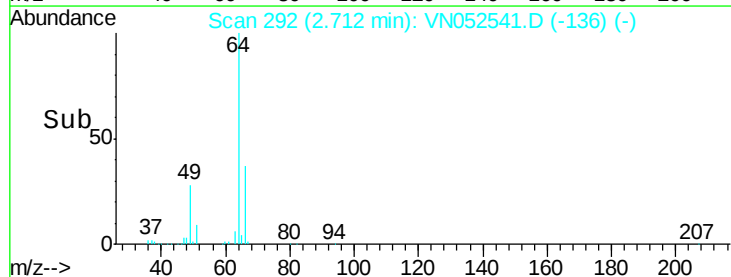
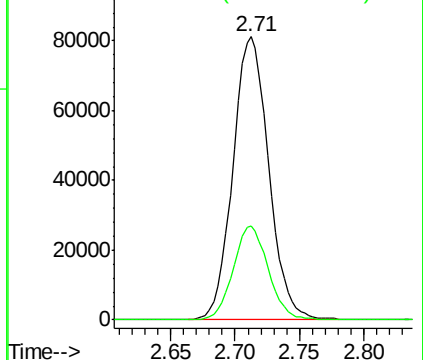
64 100

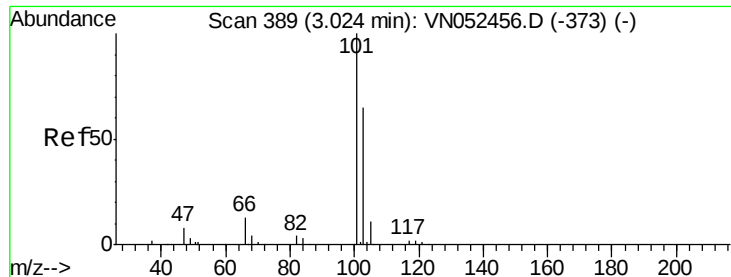
66 33.4 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

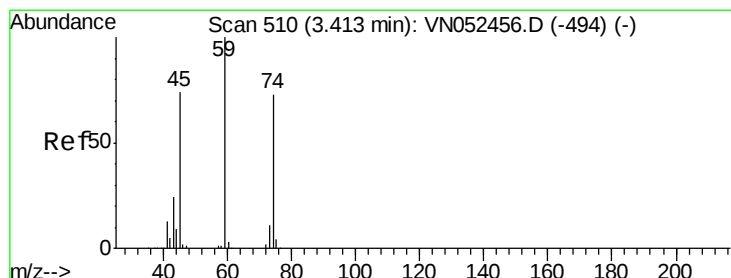
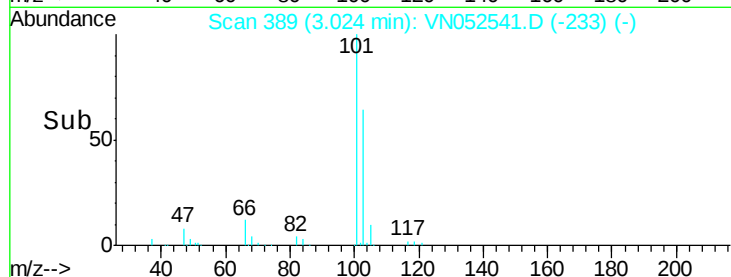
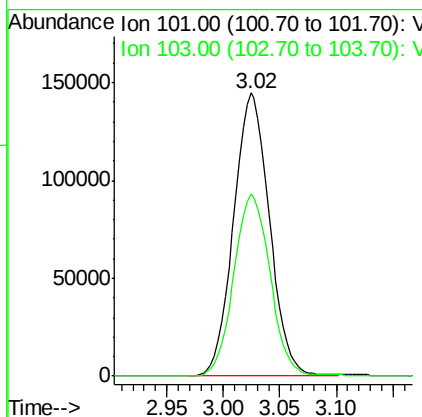
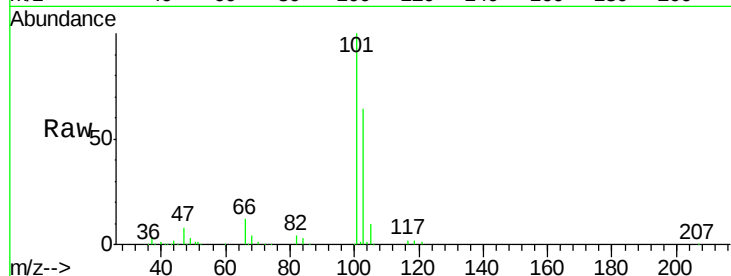
Trichlorofluoromethane
Concen: 18.994 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.1	78.1

Manual Integrations
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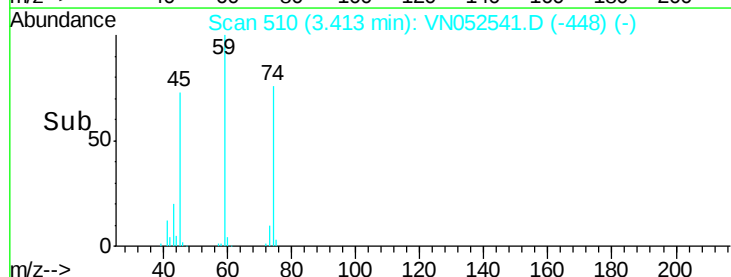
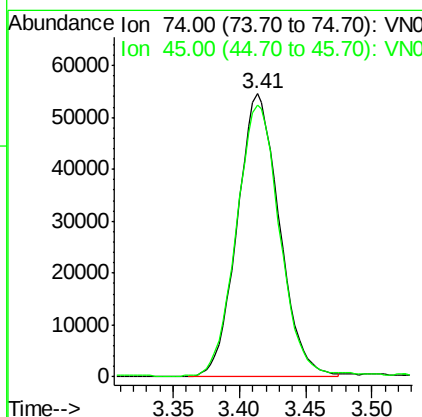
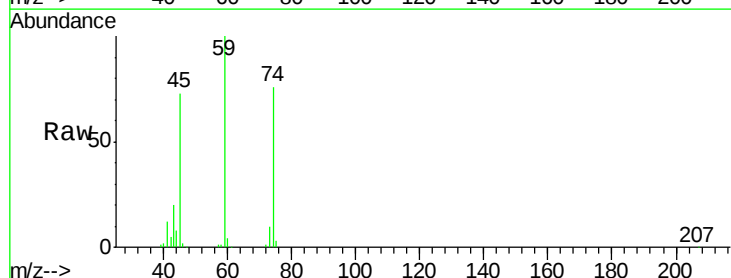
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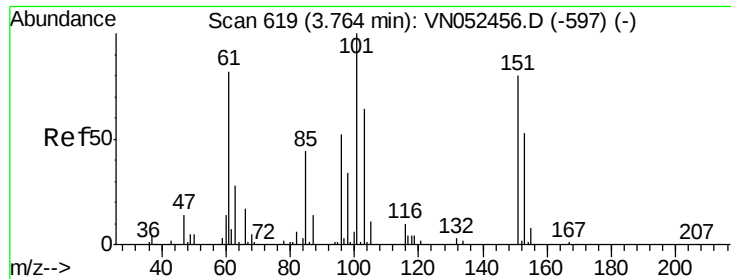


#8

Diethyl Ether
Concen: 19.383 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.468 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

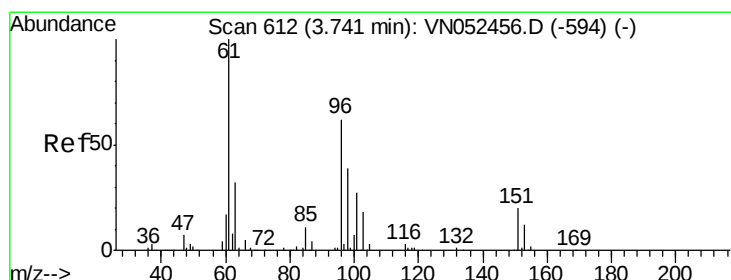
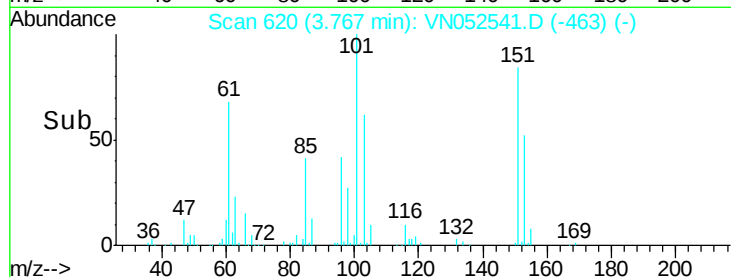
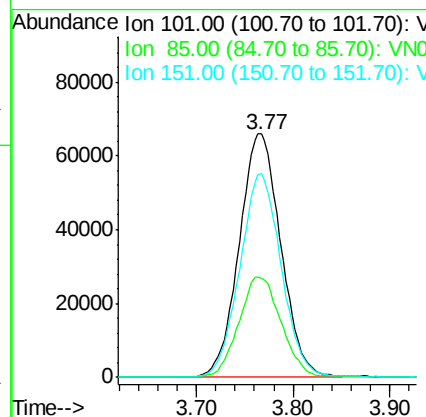
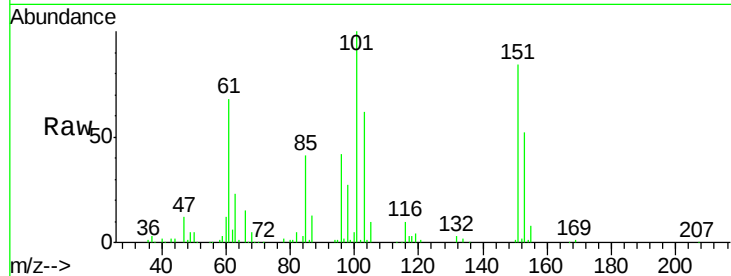
ClientSampleId :

VN1128WBSD02

Tot Ion:	101	Resp:	197314
Ion Ratio	Lower	Upper	
101	100		
85	41.8	0.0	82.6
151	83.3	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 19.171 ug/l

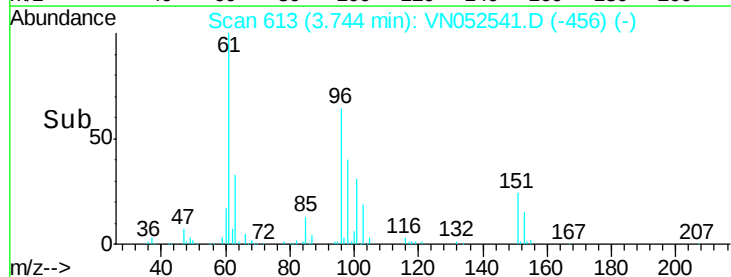
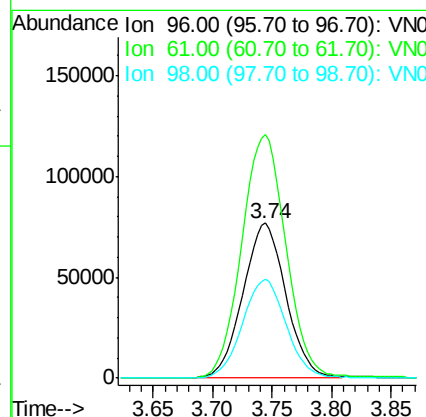
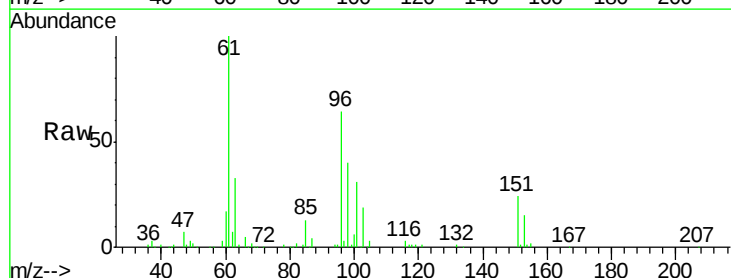
RT: 3.74 min Scan# 613

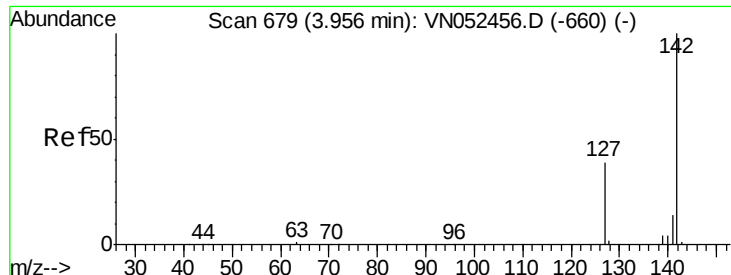
Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	96	Resp:	192582
Ion Ratio	Lower	Upper	
96	100		
61	157.1	129.4	194.2
98	63.6	50.4	75.6





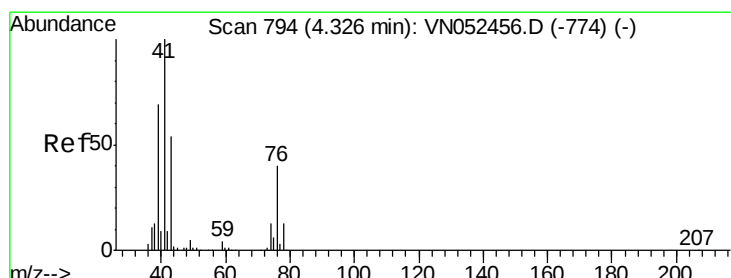
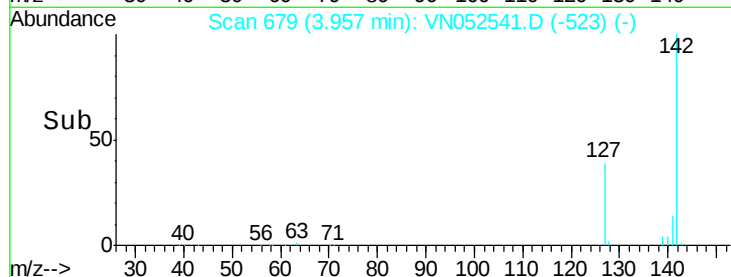
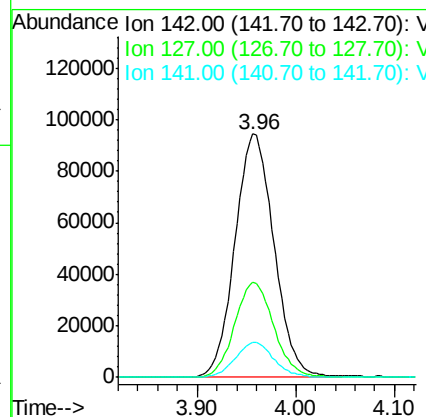
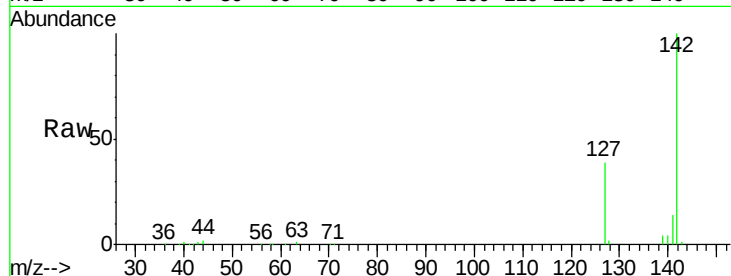
#11
Methvl Iodide
Concen: 18.562 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.9	19.4	58.1
141	14.2	7.2	21.6

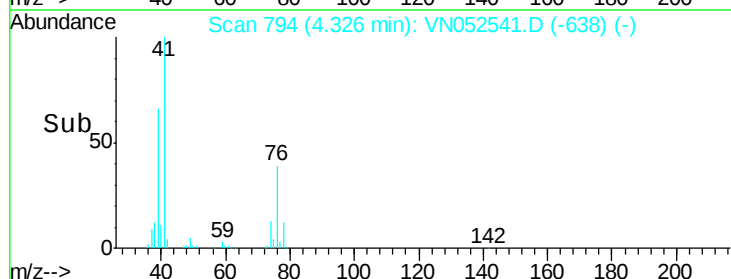
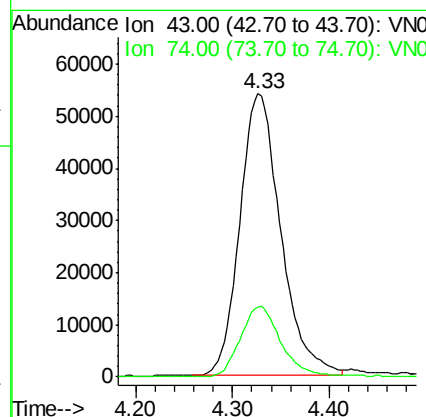
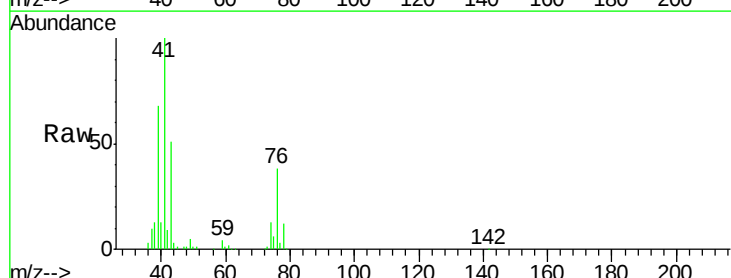
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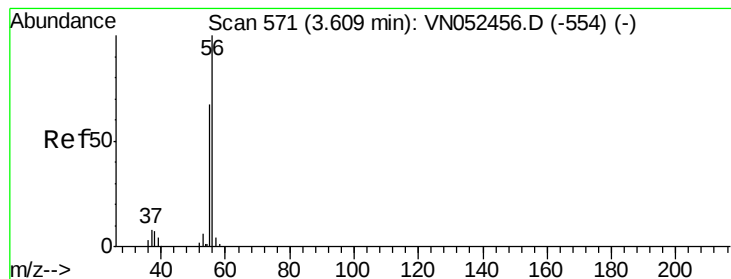
MMDadoda
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#12
Methyl Acetate
Concen: 18.668 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.9	28.3





#13

Acrolein

Concen: 88.460 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 56 Resp: 88692

Ion Ratio Lower Upper

56 100

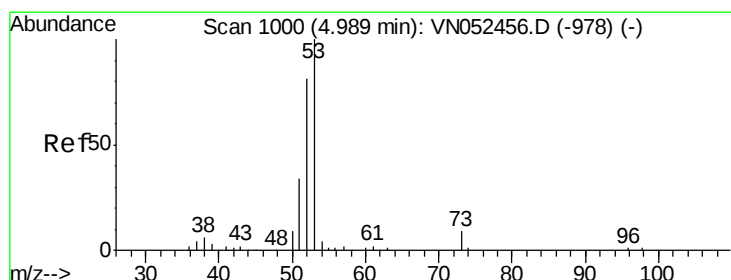
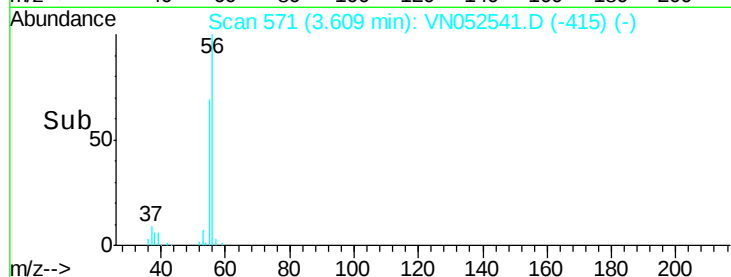
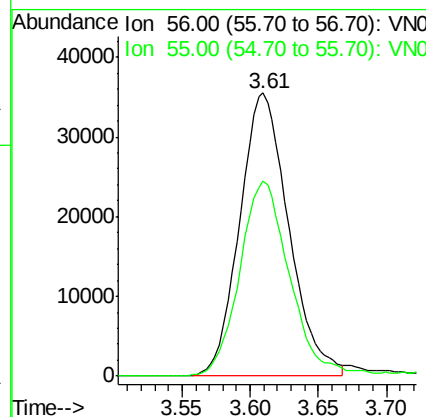
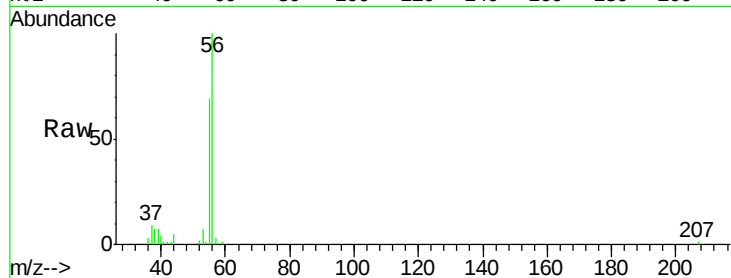
55 69.5 56.7 85.1

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#14

Acrylonitrile

Concen: 94.325 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

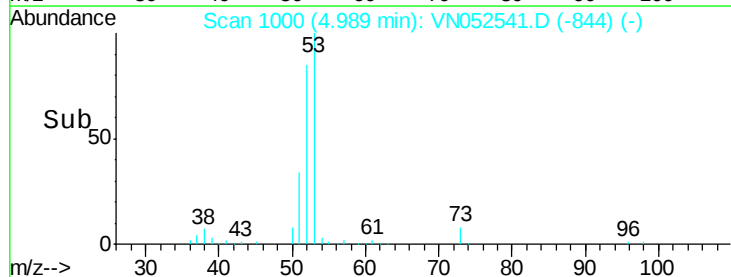
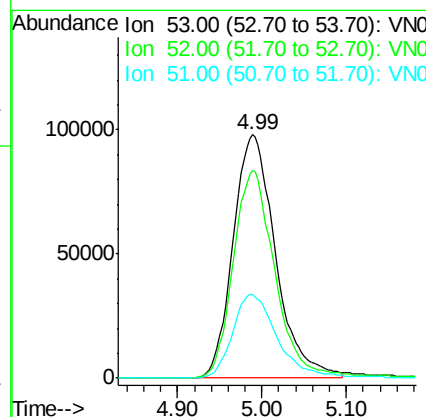
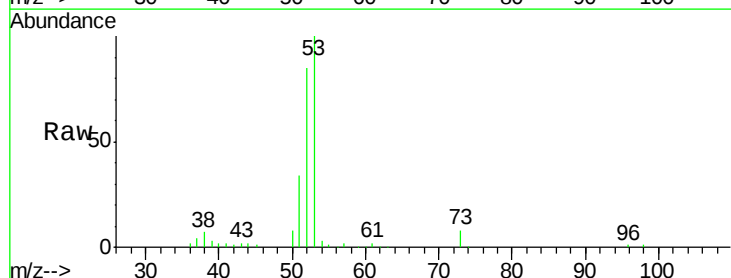
Tgt Ion: 53 Resp: 343041

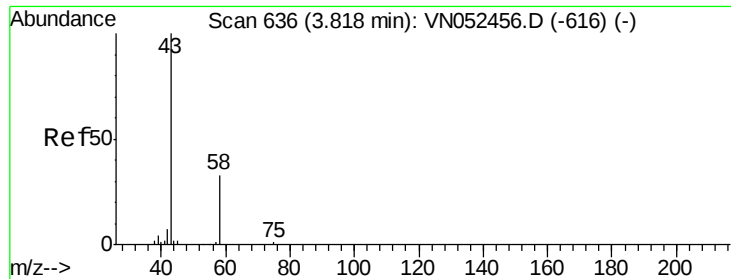
Ion Ratio Lower Upper

53 100

52 83.3 39.9 119.7

51 36.2 17.6 52.9





#15

Acetone

Concen: 77.841 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 58 Resp: 73314

Ion Ratio Lower Upper

58 100

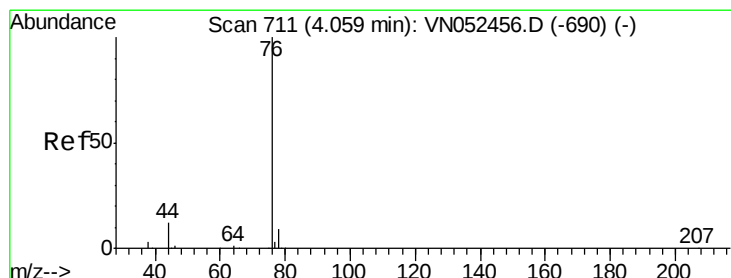
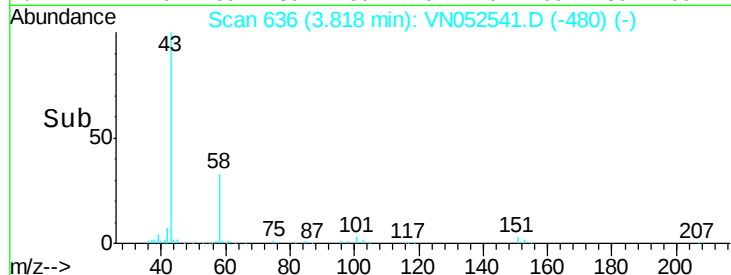
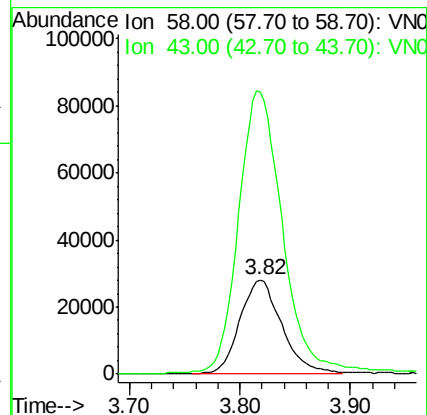
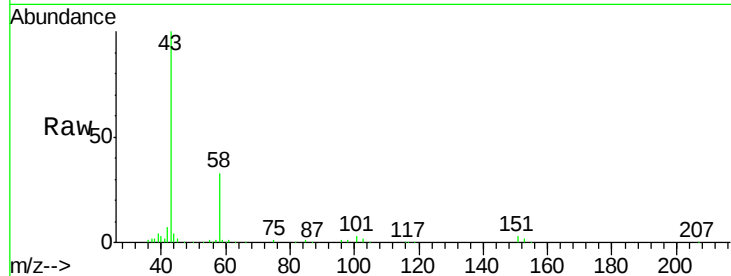
43 299.1 243.6 365.4

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#16

Carbon Disulfide

Concen: 17.597 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052541.D

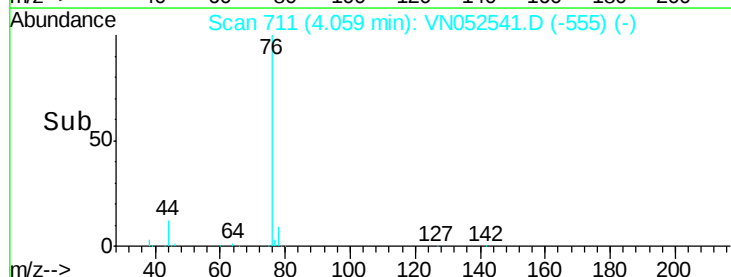
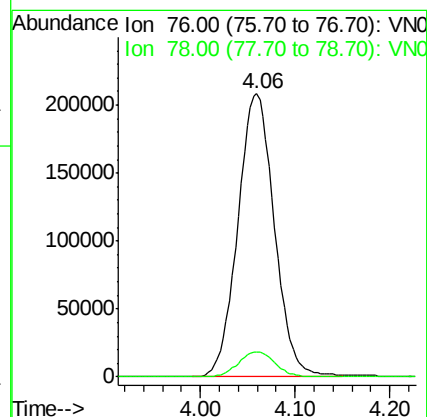
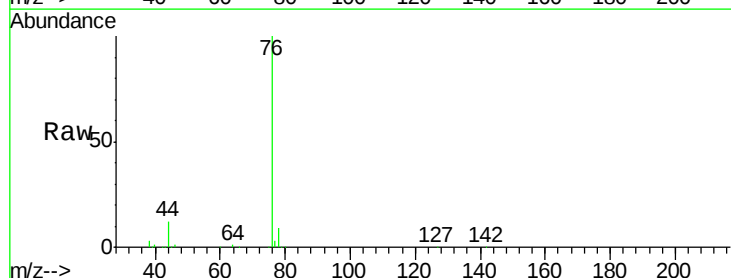
Acq: 29 Nov 2018 1:40

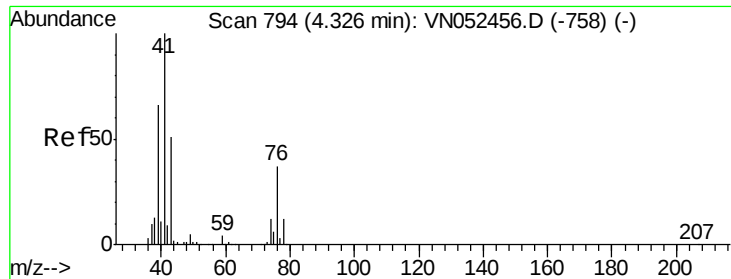
Tgt Ion: 76 Resp: 559655

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9





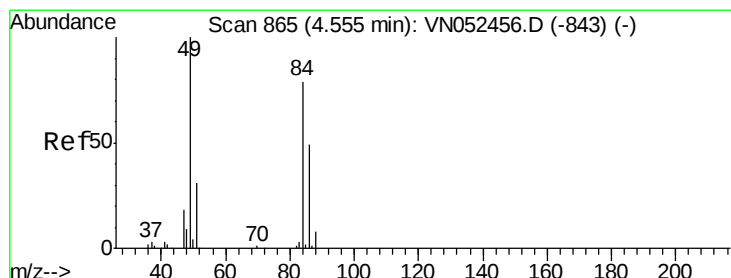
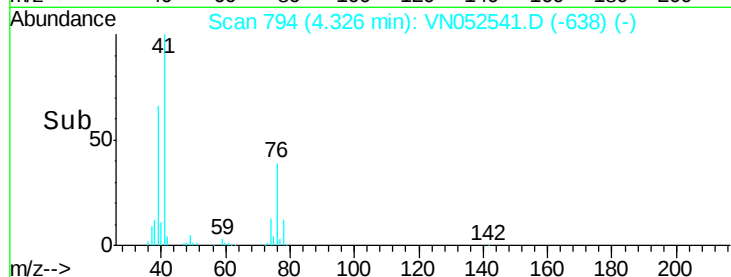
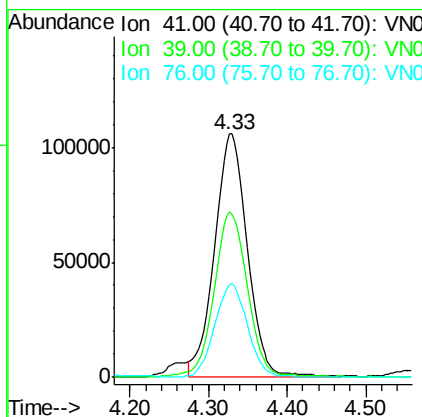
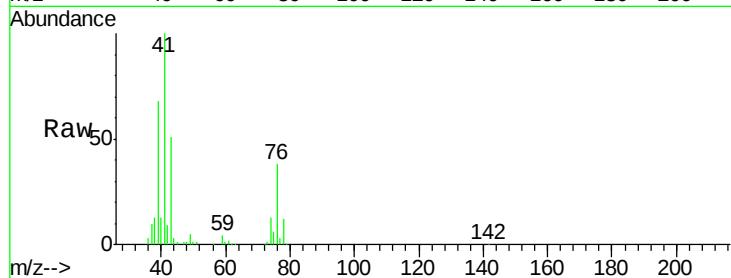
#17
Allvl chloride
Concen: 17.301 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	303091		
39	67.5		32.8	98.3
76	38.1		18.6	55.8

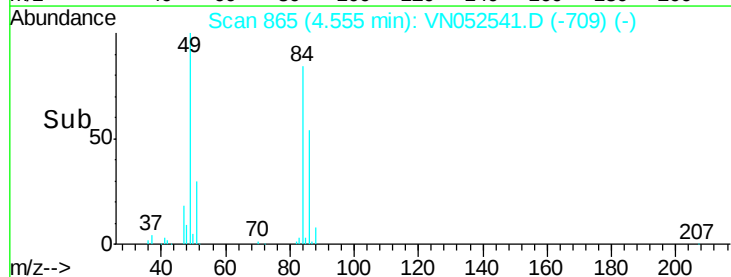
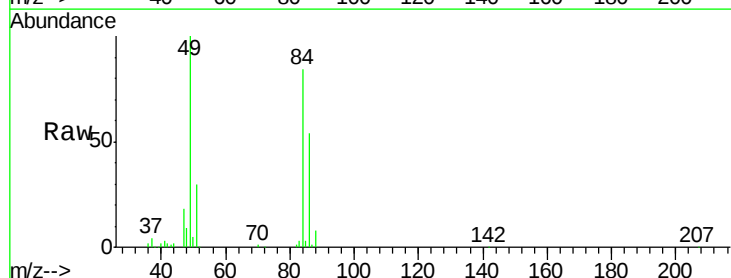
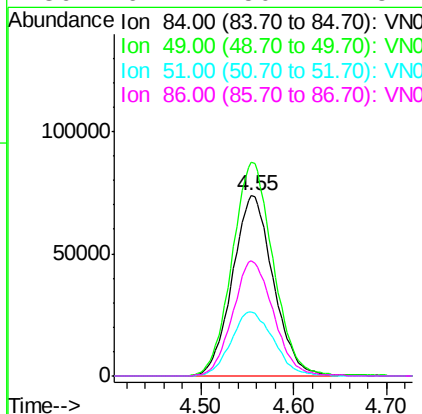
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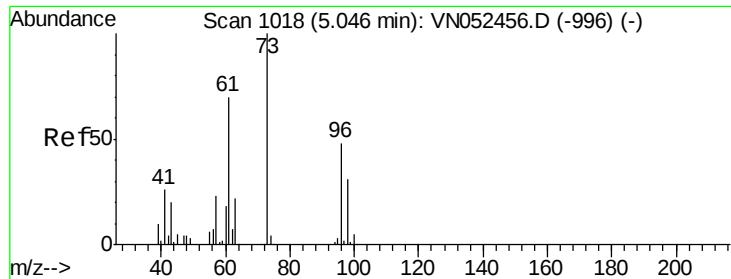
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#18
Methylene Chloride
Concen: 19.387 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	225500		
49	118.2		101.4	152.0
51	35.9		31.7	47.5
86	64.2		50.1	75.1





#19

trans-1,2-Dichloroethene

Concen: 19.423 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 96 Resp: 209979

Ion Ratio Lower Upper

96 100

61 141.7 118.2 177.4

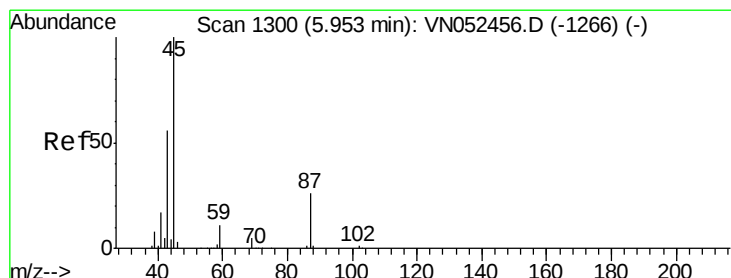
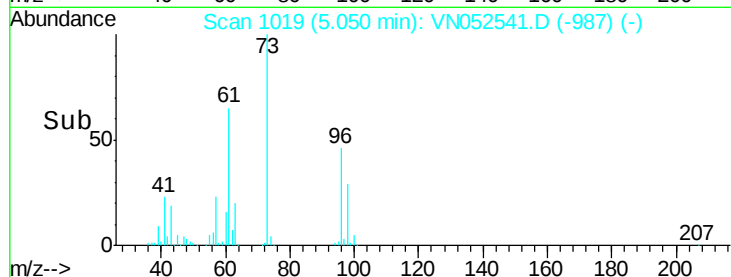
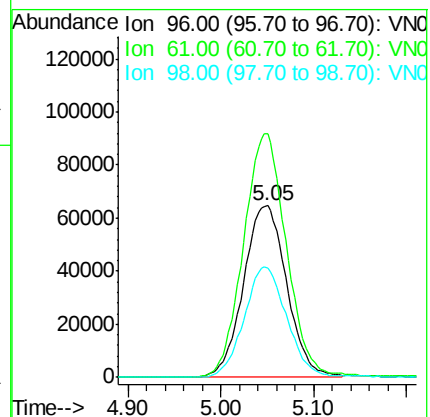
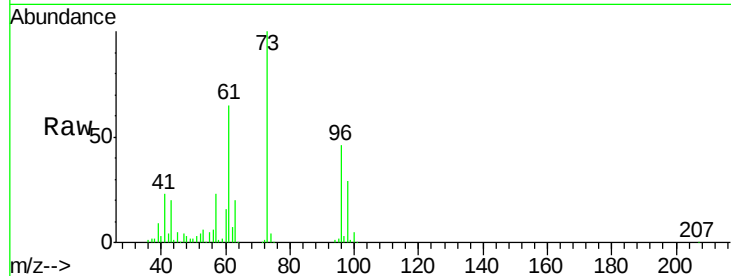
98 63.3 51.4 77.2

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#20

Diisopropyl ether

Concen: 18.814 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion: 45 Resp: 692659

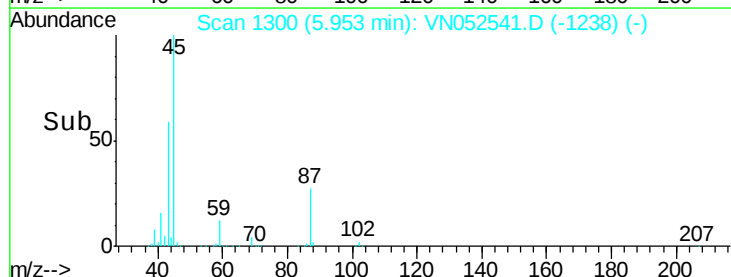
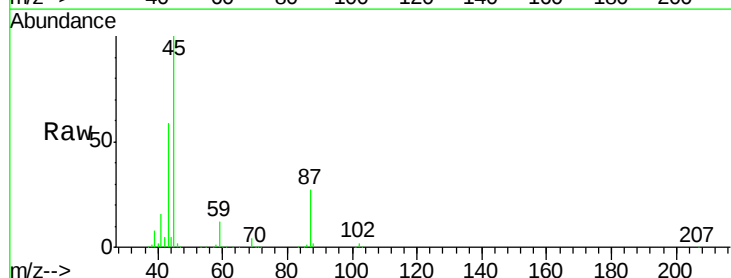
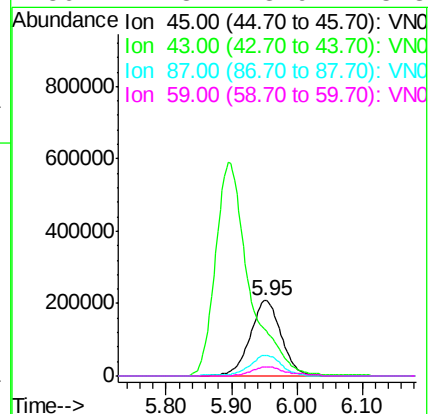
Ion Ratio Lower Upper

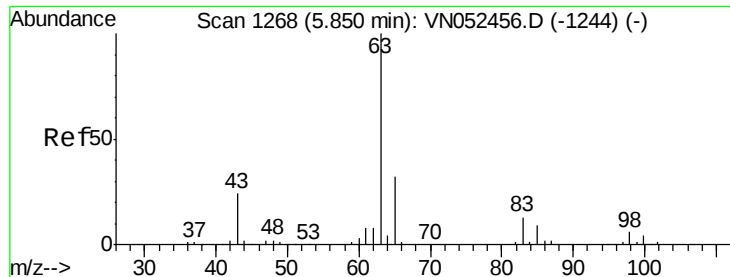
45 100

43 57.4 47.8 71.8

87 27.4 21.3 31.9

59 11.8 8.9 13.3





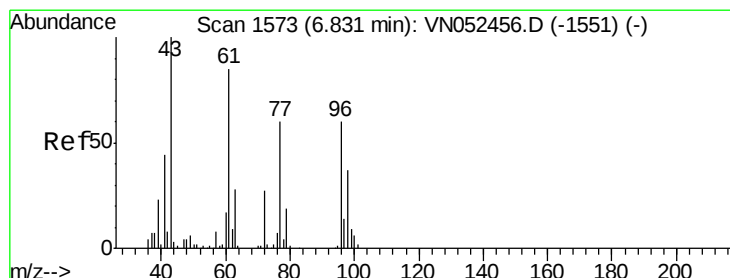
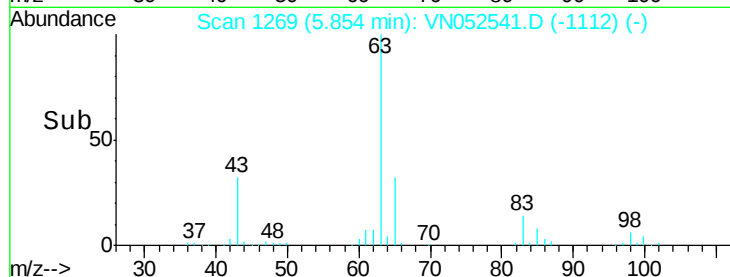
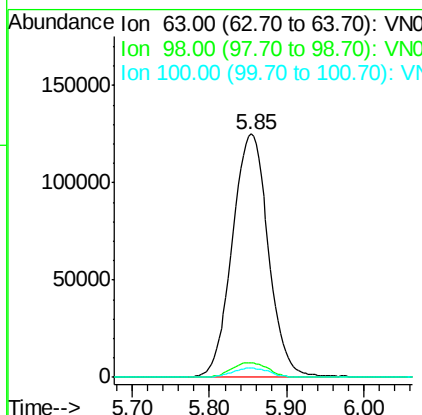
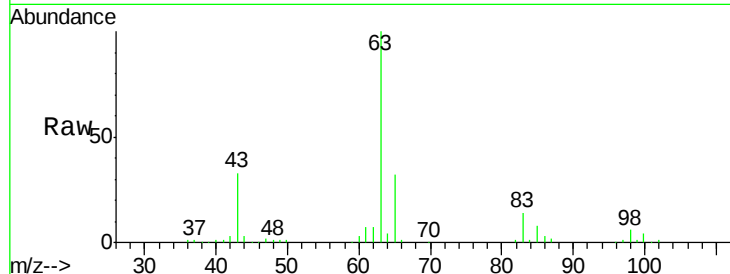
#21
 1,1-Dichloroethane
 Concen: 19.320 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.0	3.0	9.2	
100	4.0	1.8	5.5	

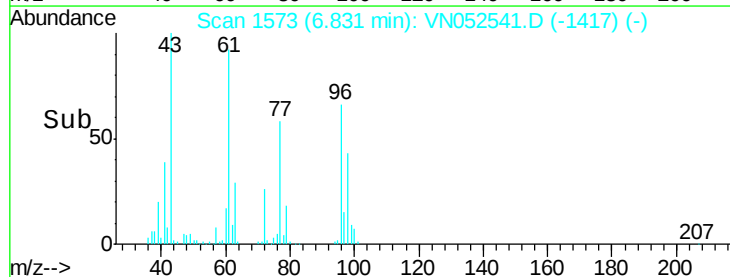
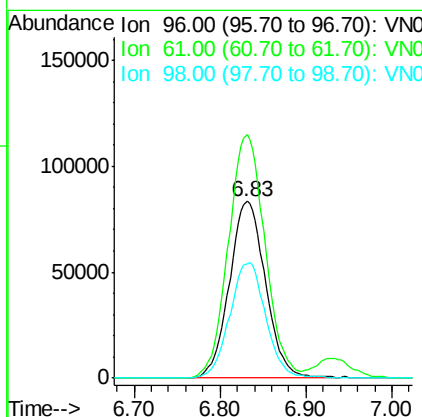
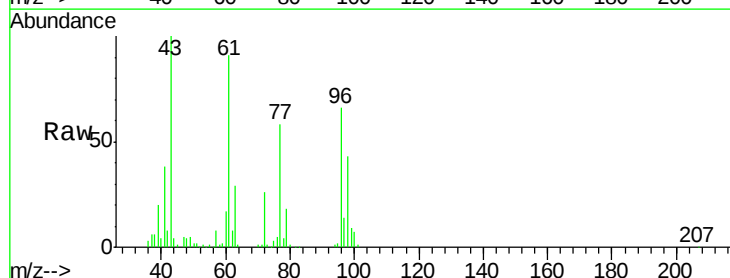
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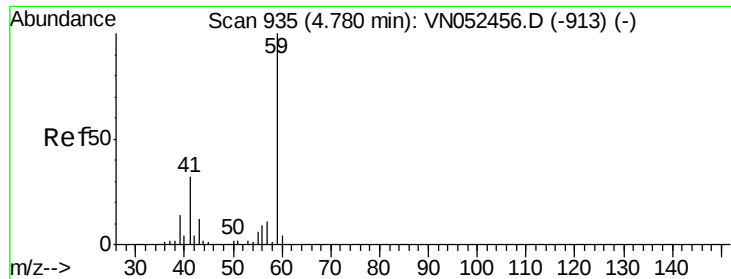
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#22
 cis-1,2-Dichloroethene
 Concen: 19.653 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.6	116.7	175.1	
98	64.7	50.8	76.2	





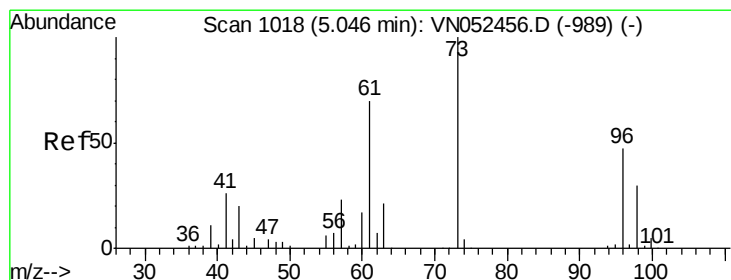
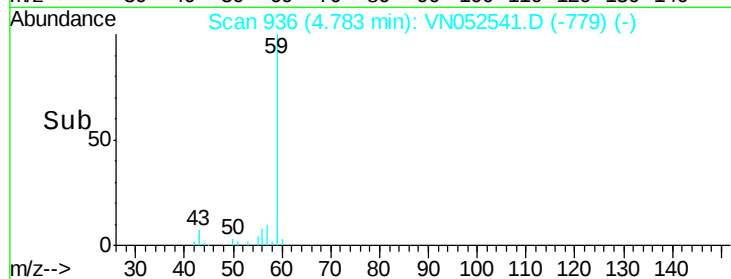
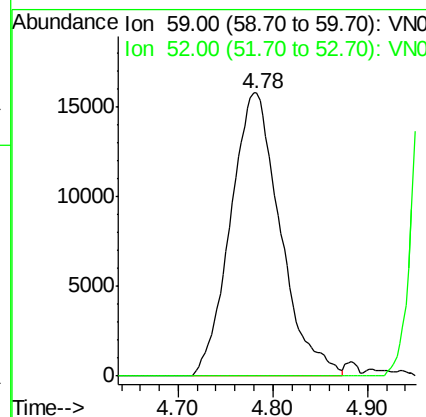
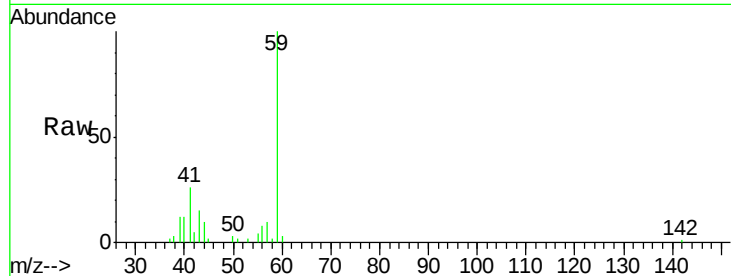
#23
tert-Butyl Alcohol
Concen: 106.620 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion: 59 Resp: 57682
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

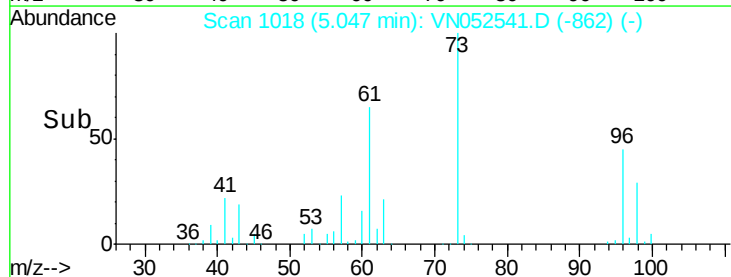
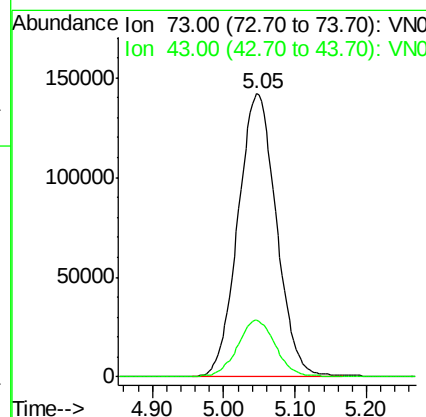
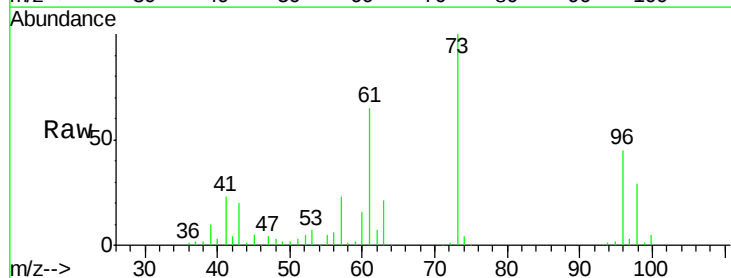
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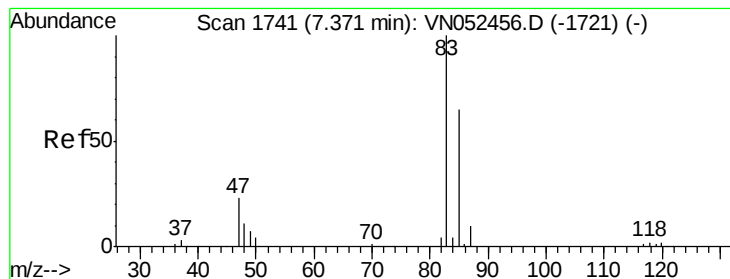
MMDadoda
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#24
Methyl tert-Butyl Ether
Concen: 20.214 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion: 73 Resp: 532710
Ion Ratio Lower Upper
73 100
43 19.6 15.8 23.8





#25

Chloroform

Concen: 19.529 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 83 Resp: 395347

Ion Ratio Lower Upper

83 100

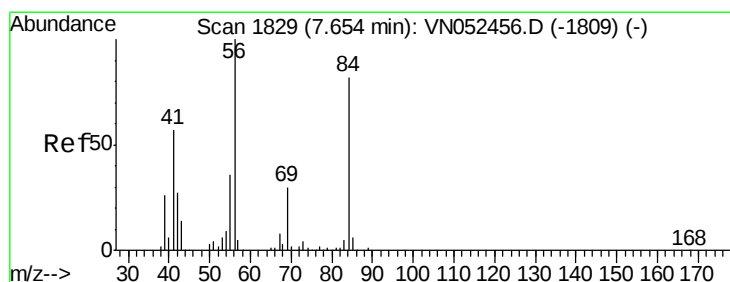
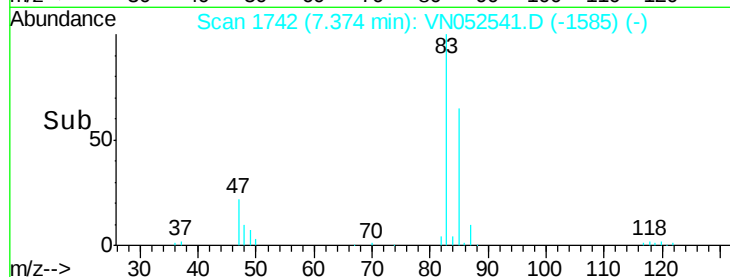
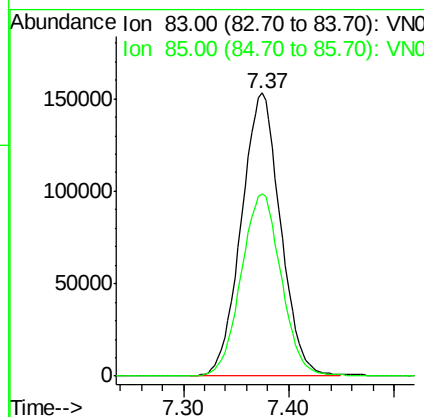
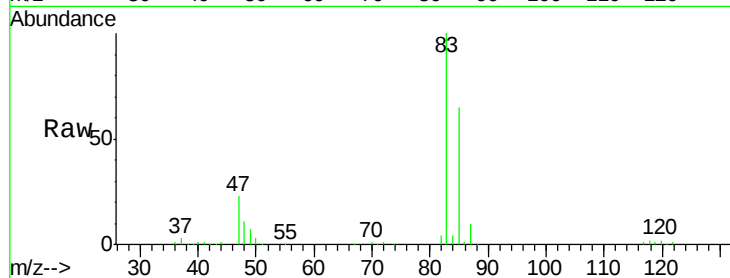
85 64.5 51.7 77.5

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#26

Cyclohexane

Concen: 18.173 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

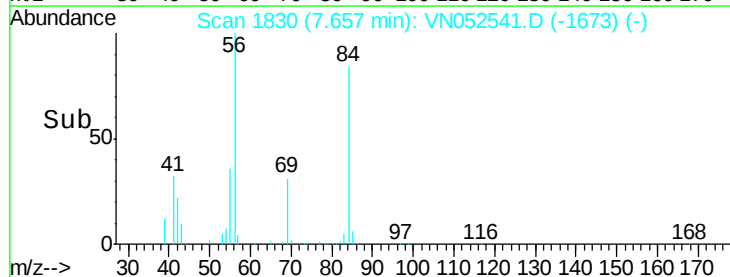
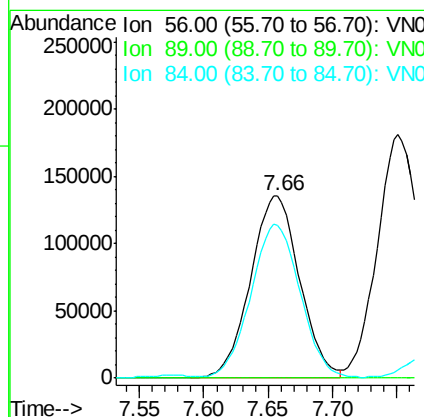
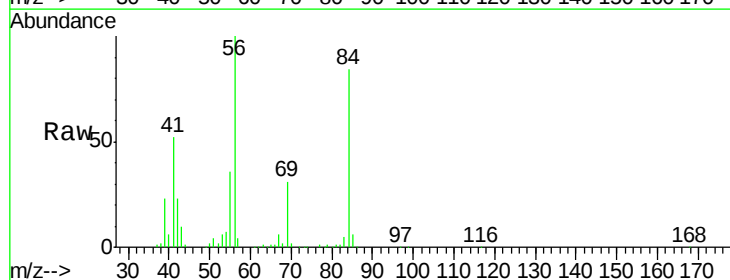
Tgt Ion: 56 Resp: 359659

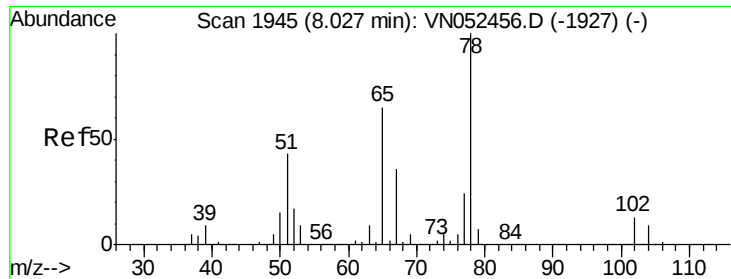
Ion Ratio Lower Upper

56 100

89 0.0 0.5 0.7#

84 85.2 66.2 99.2





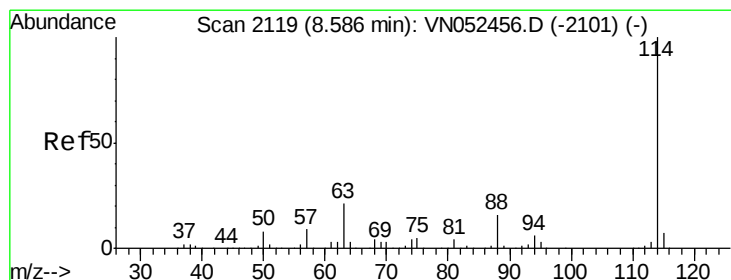
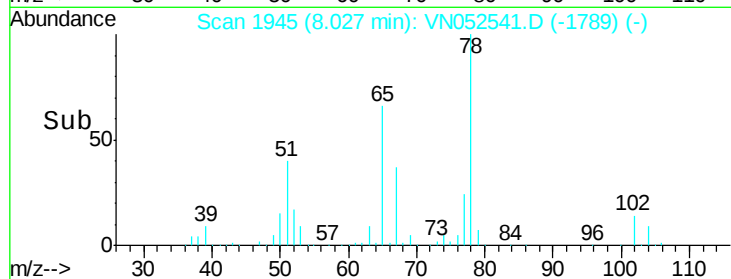
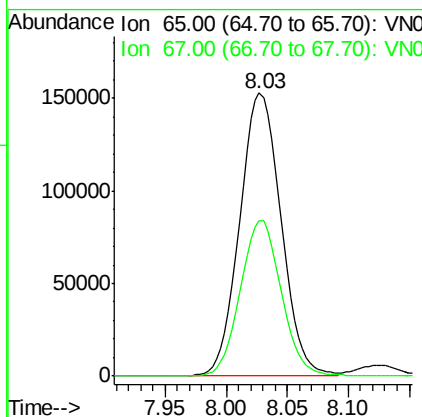
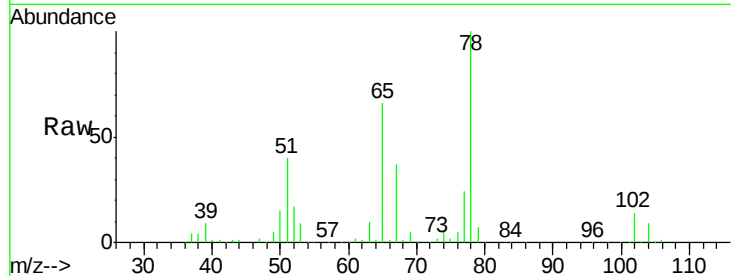
#27
 1,2-Dichloroethane-d4
 Concen: 18.173 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	44.6	66.8

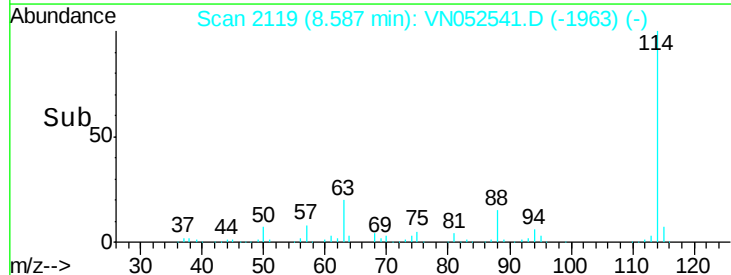
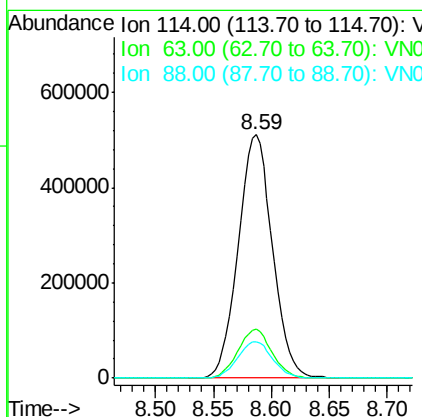
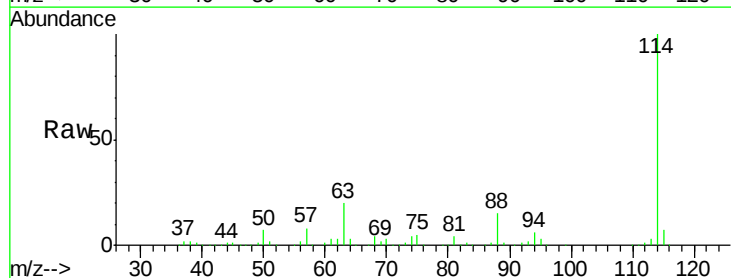
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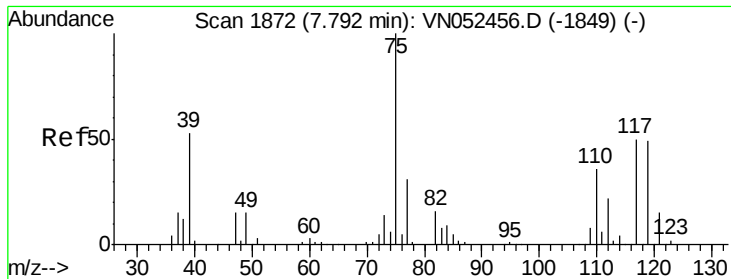
MMDadoda
 11/29/2018 9:33:01 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	16.9	25.3
88	15.3	12.8	19.2





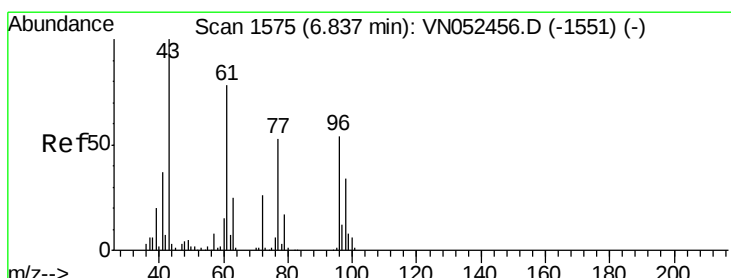
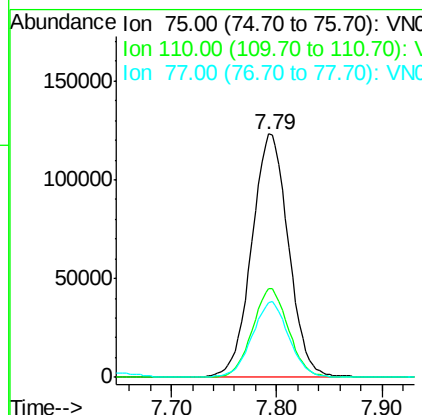
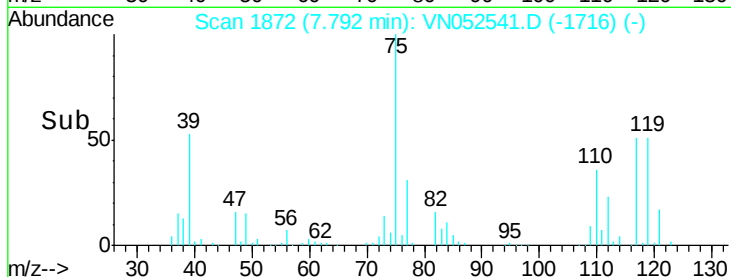
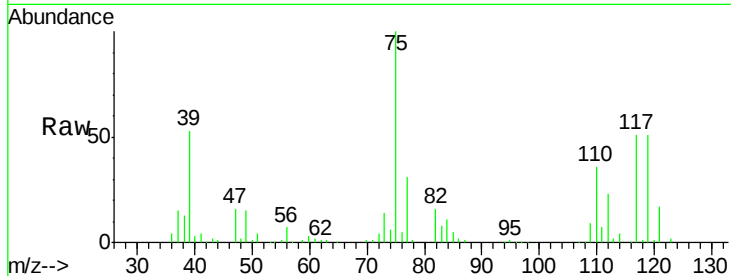
#29
 1,1-Dichloropropene
 Concen: 18.736 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.9	0.0	70.2
77	31.0	0.0	62.6

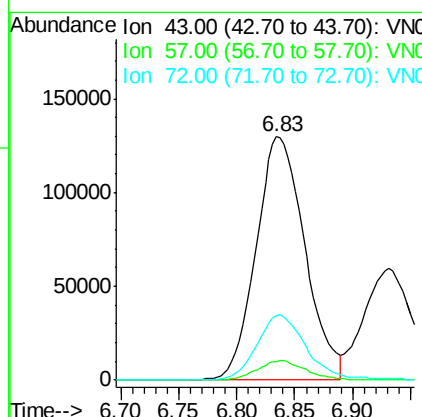
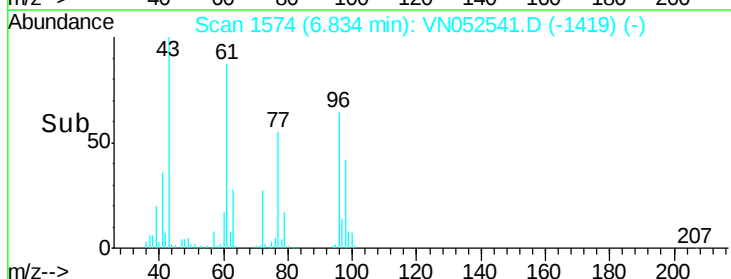
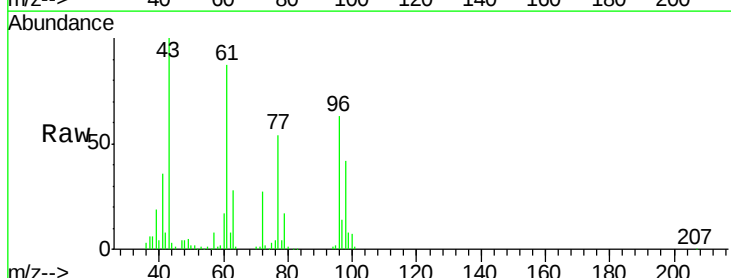
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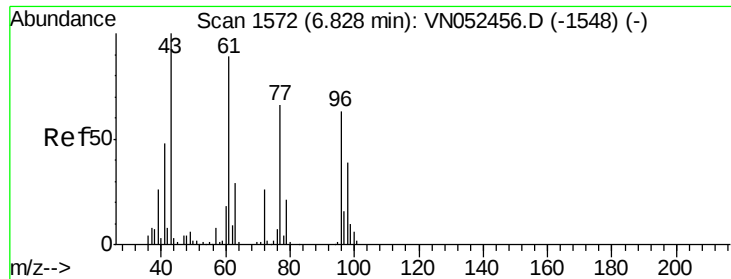
MMDadoda
 11/29/2018 9:33:01 AM



#30
 2-Butanone
 Concen: 88.371 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.1	6.2	9.4
72	26.8	21.0	31.6





#31

2,2-Dichloropropane

Concen: 16.365 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 77 Resp: 240683

Ion Ratio Lower Upper

77 100

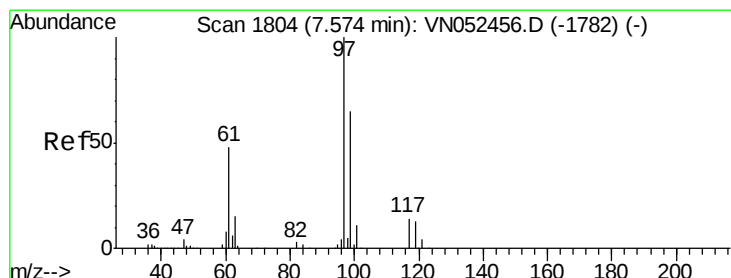
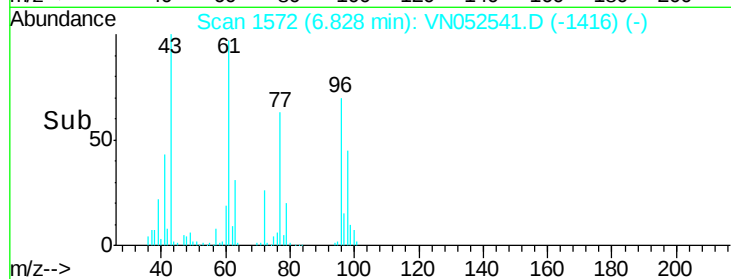
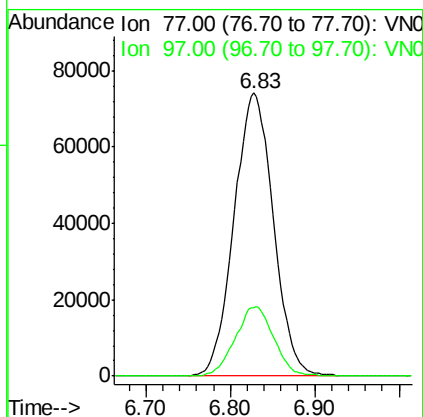
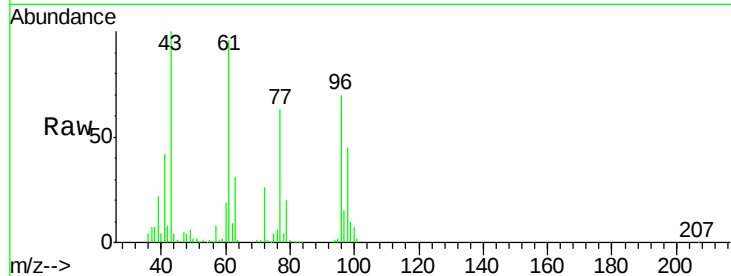
97 24.0 18.7 28.1

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#32

1,1,1-Trichloroethane

Concen: 19.360 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

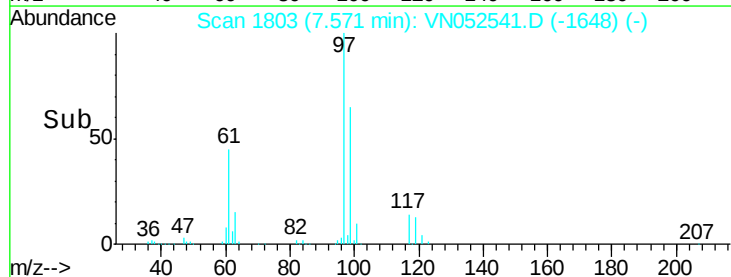
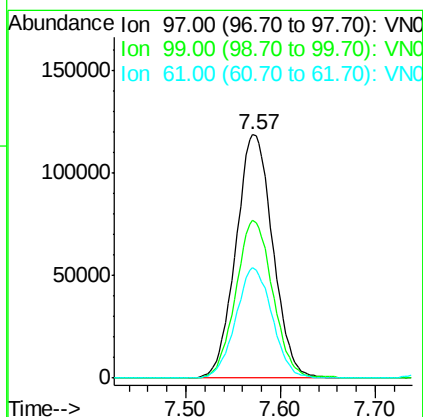
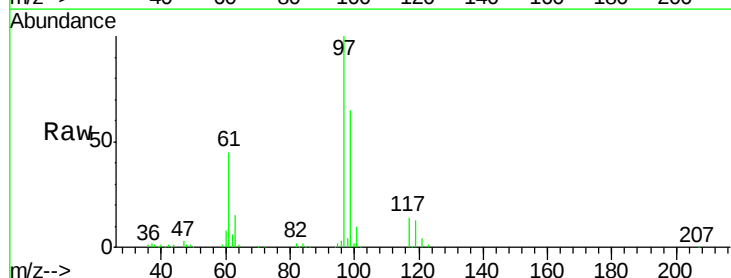
Tgt Ion: 97 Resp: 321812

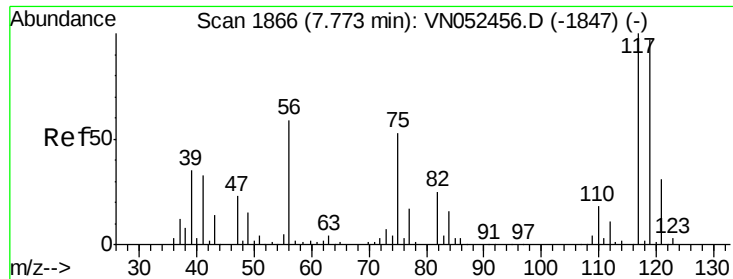
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 44.7 38.1 57.1





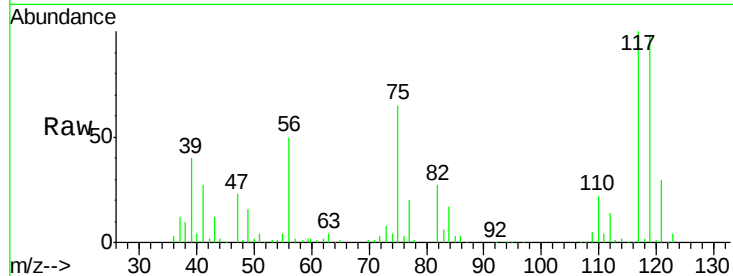
#33
Carbon Tetrachloride
Concen: 18.790 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

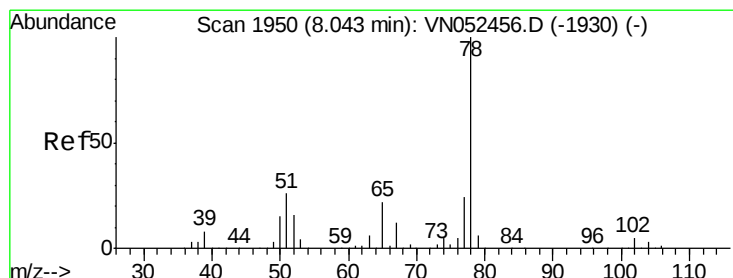
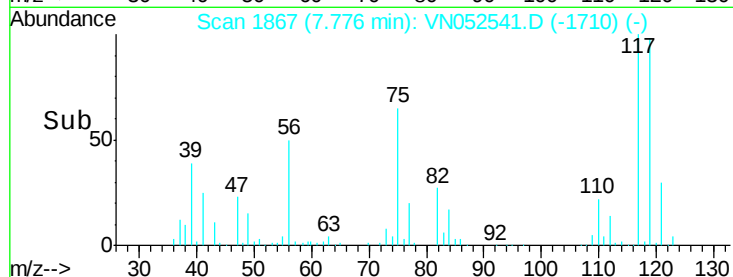
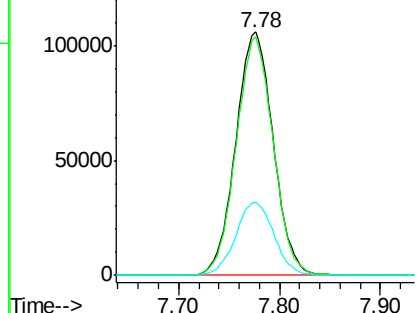
Tot Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
121	29.9	24.9	37.3

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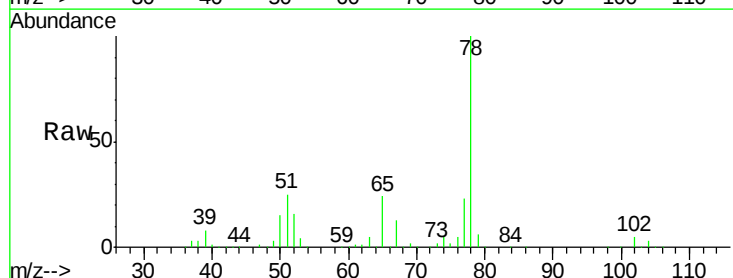


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

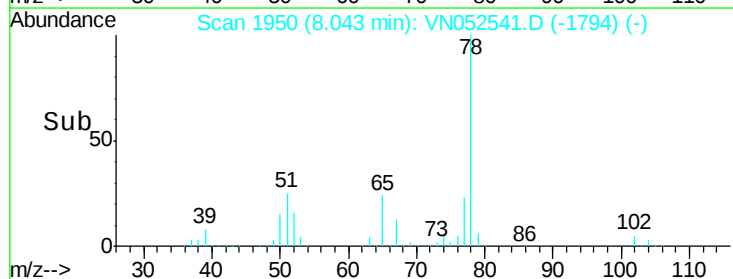
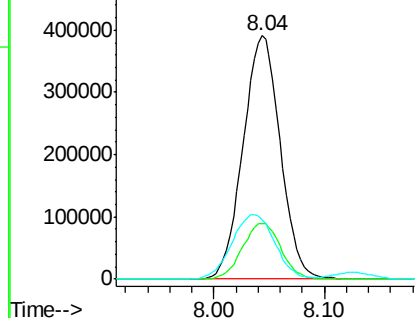


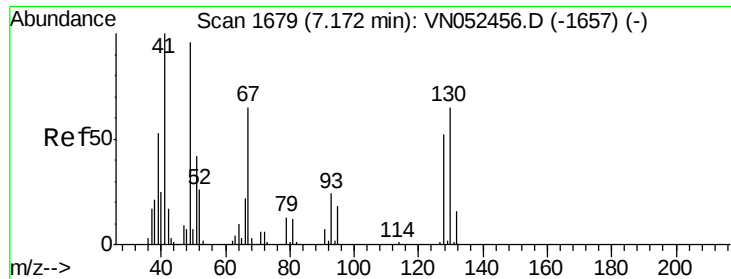
#34
Benzene
Concen: 19.086 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6
51	24.5	20.5	30.7



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V





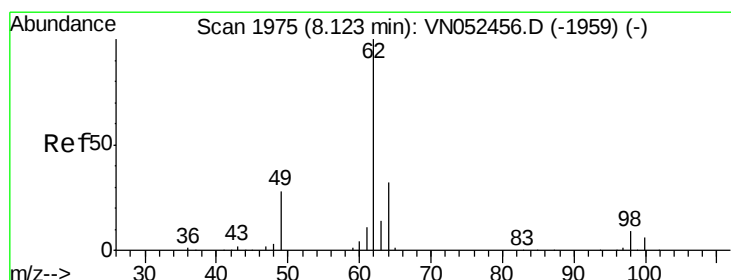
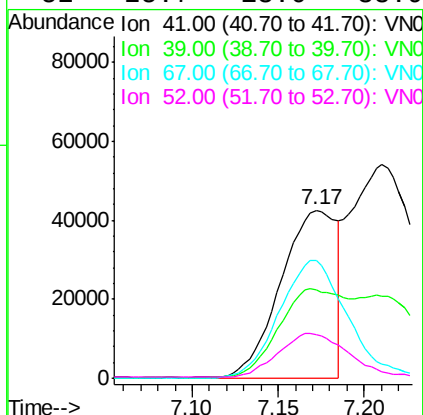
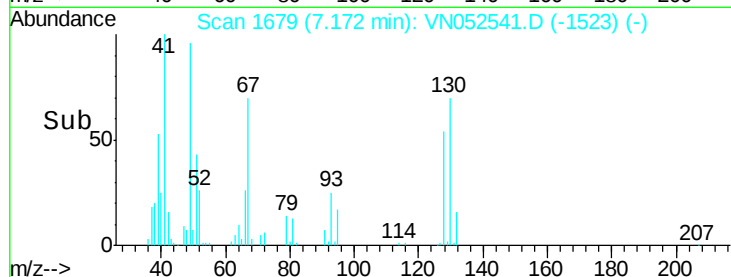
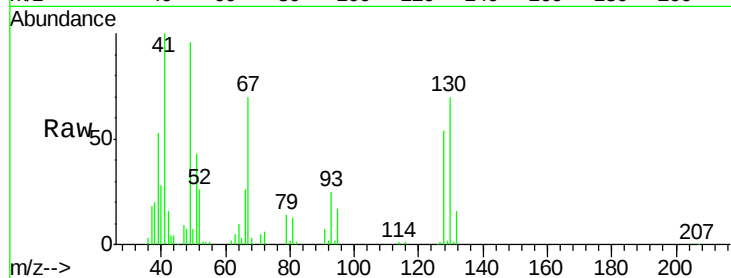
#35
Methacrylonitrile
Concen: 18.167 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	41	Resp:	96352
Ion	Ratio	Lower	Upper
41	100		
39	52.2	26.6	79.7
67	70.2	32.3	96.9
52	25.7	13.0	38.9

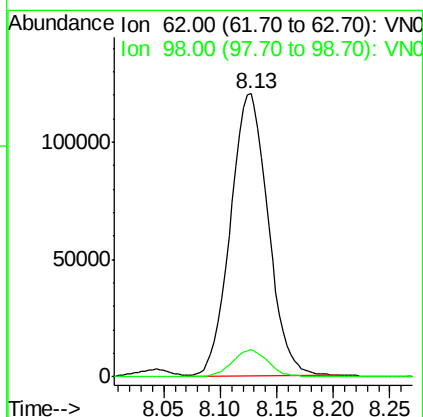
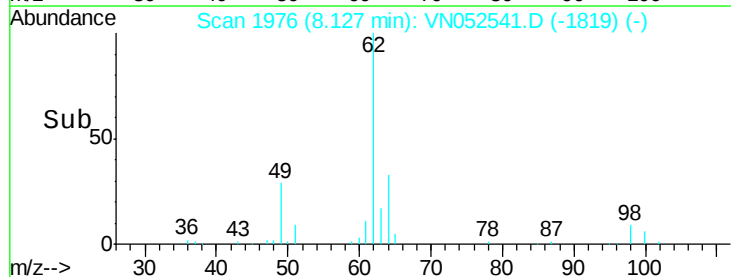
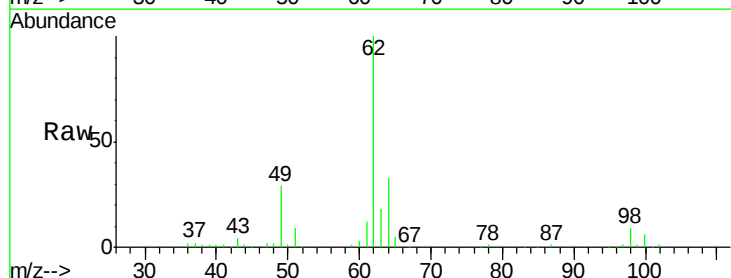
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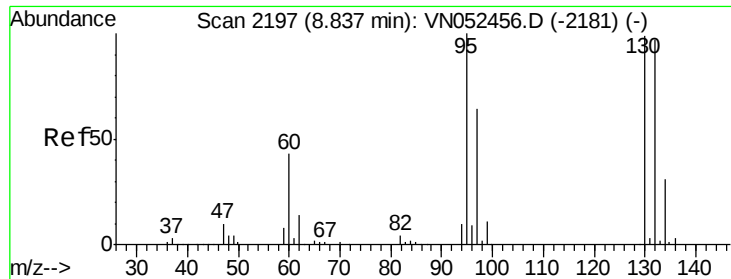
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#36
1,2-Dichloroethane
Concen: 19.199 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	62	Resp:	279425
Ion	Ratio	Lower	Upper
62	100		
98	9.2	7.4	11.2





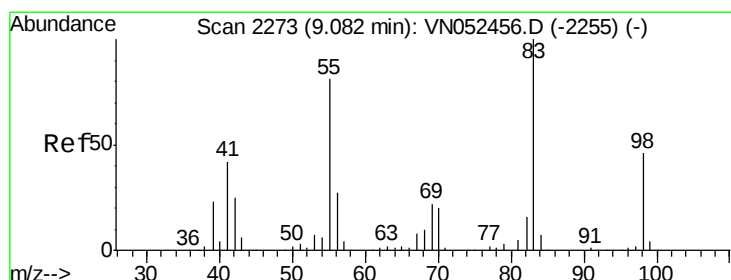
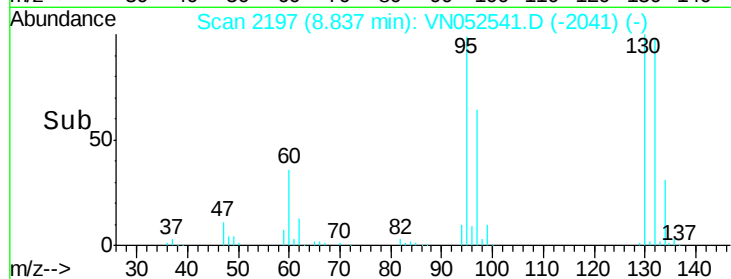
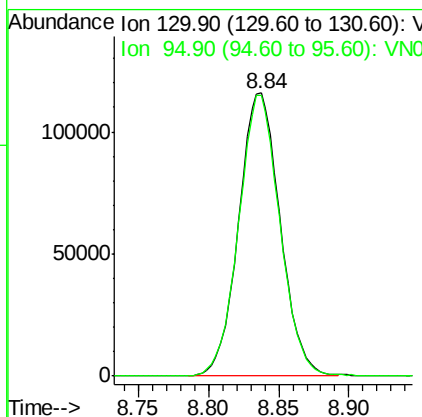
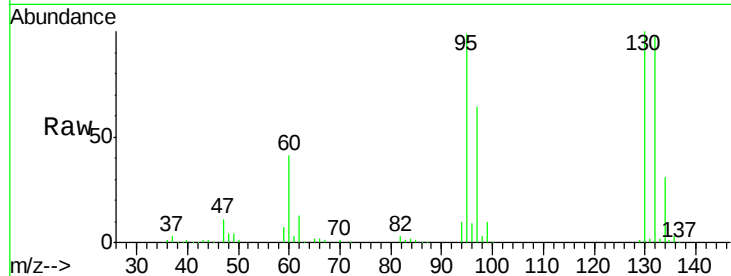
#37
 Trichloroethene
 Concen: 19.605 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion:130 Resp: 238774
 Ion Ratio Lower Upper
 130 100
 95 99.2 81.0 121.4

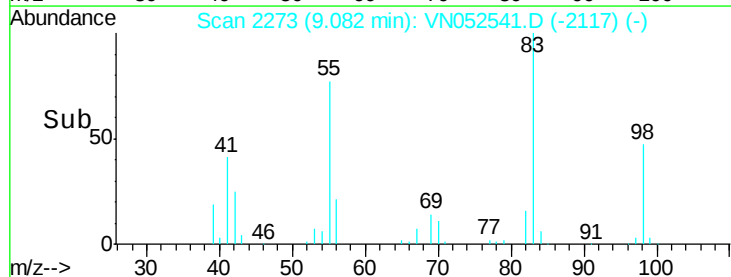
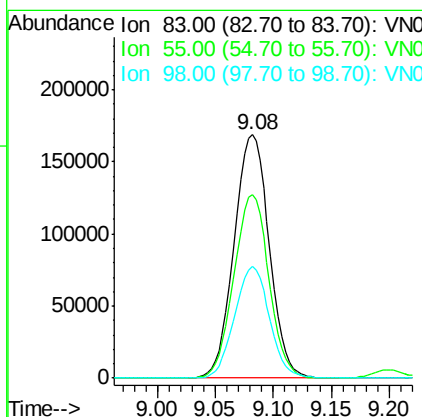
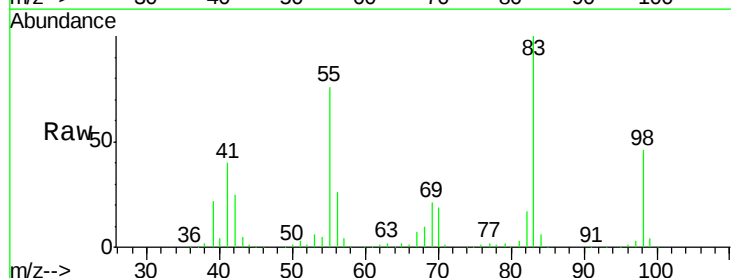
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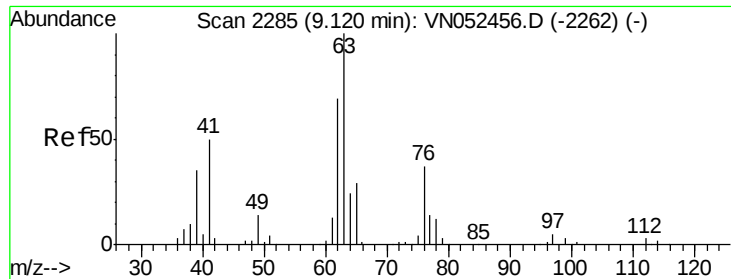
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#38
 Methylcyclohexane
 Concen: 17.963 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion: 83 Resp: 355233
 Ion Ratio Lower Upper
 83 100
 55 75.2 39.8 119.4
 98 45.5 22.9 68.5





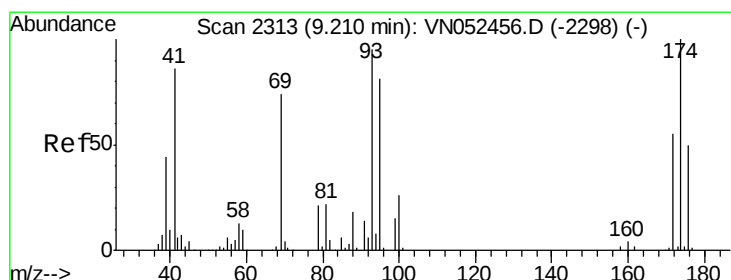
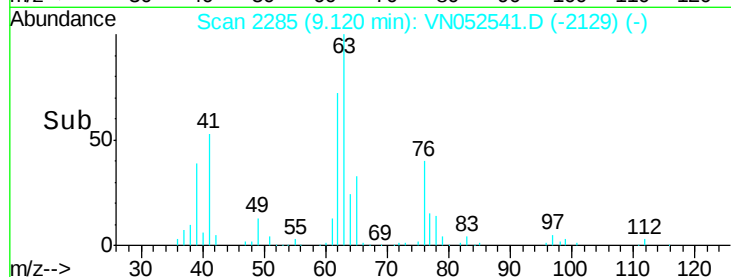
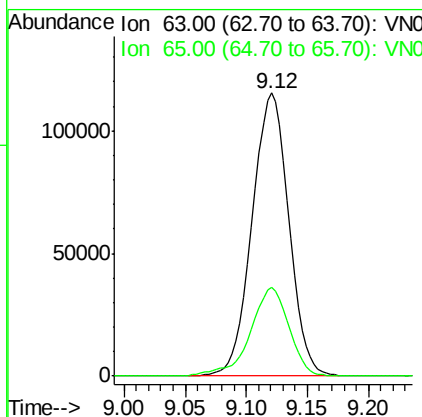
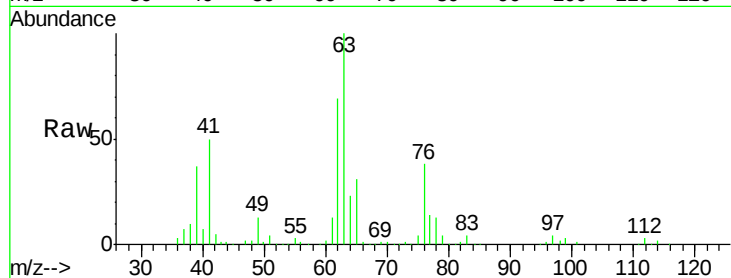
#39
 1,2-Dichloropropane
 Concen: 18.710 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion: 63 Resp: 240883
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.6 35.4

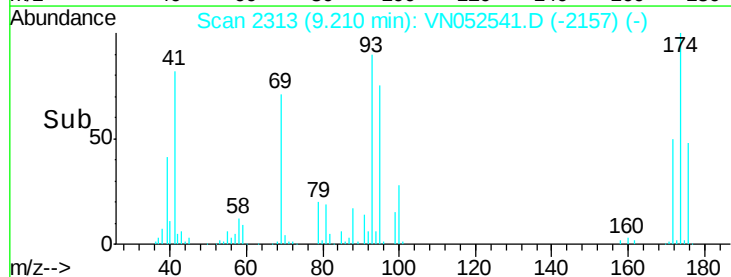
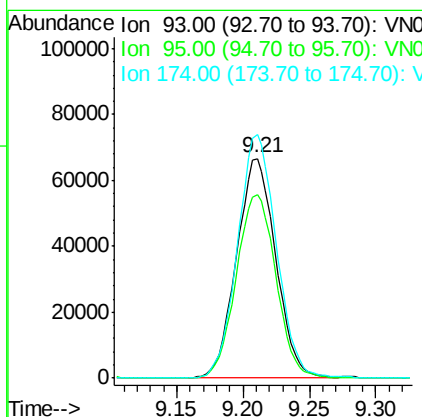
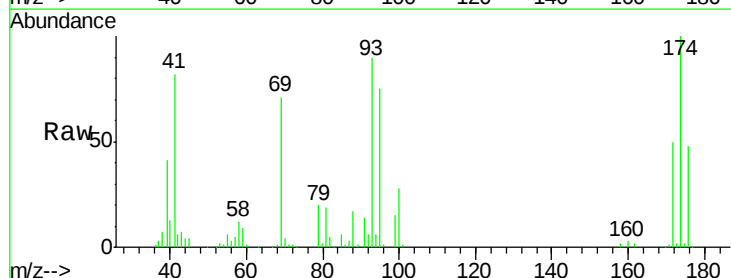
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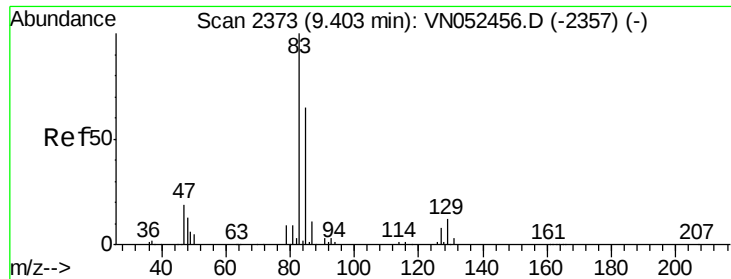
MMDadoda
 11/29/2018 9:33:01 AM



#40
 Dibromomethane
 Concen: 19.712 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion: 93 Resp: 137147
 Ion Ratio Lower Upper
 93 100
 95 84.7 0.0 168.4
 174 109.9 0.0 210.0





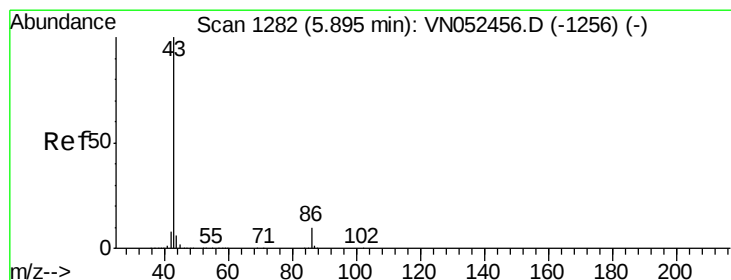
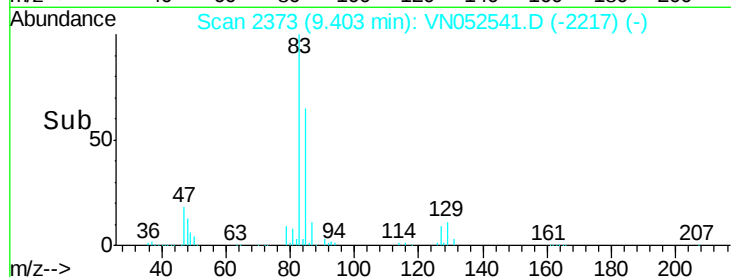
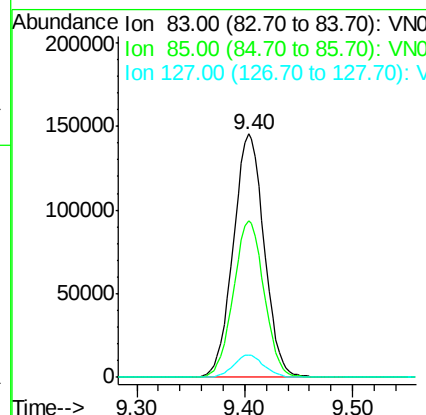
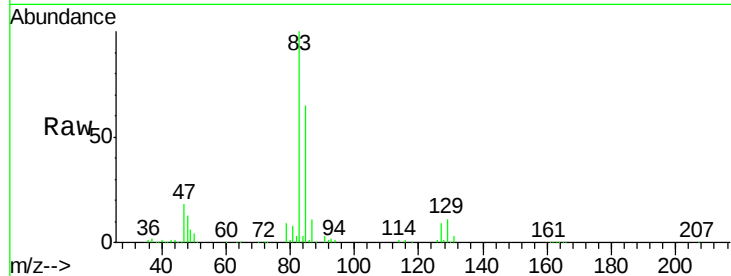
#41
Bromodichloromethane
Concen: 18.931 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	83	Resp	291002
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.4	78.6
127	9.2	6.6	9.8

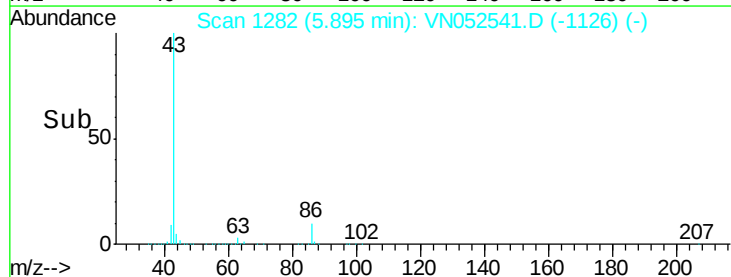
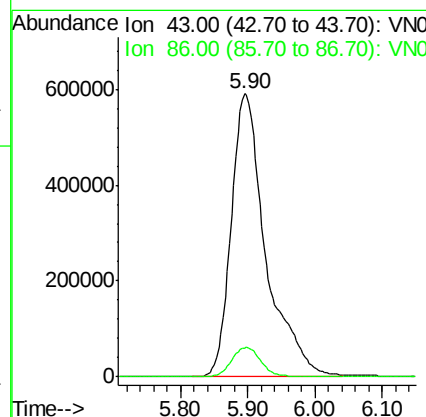
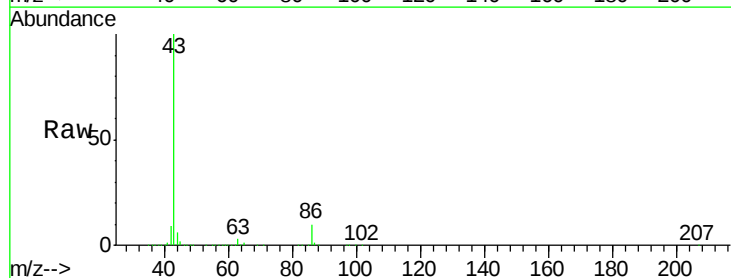
Manual Integrations
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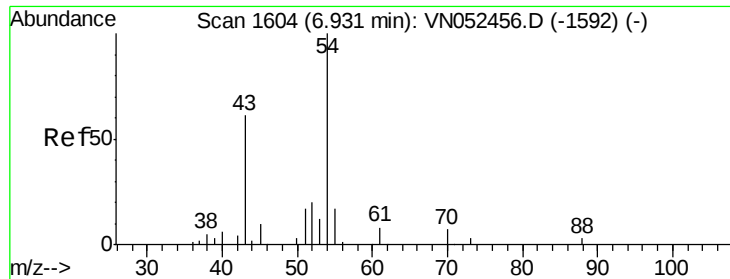
MMDadoda
11/29/2018 9:33:01 AM



#42
Vinyl Acetate
Concen: 91.357 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	43	Resp	2112986
Ion Ratio	100	Lower	Upper
43	100		
86	8.9	6.5	9.7





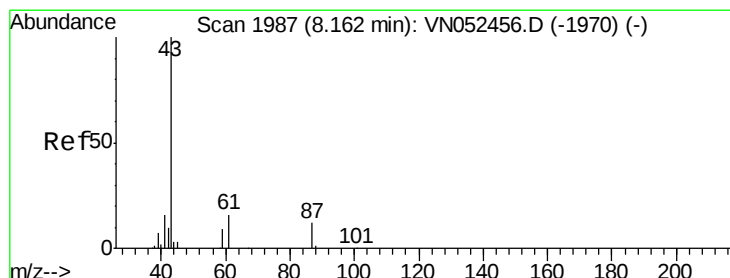
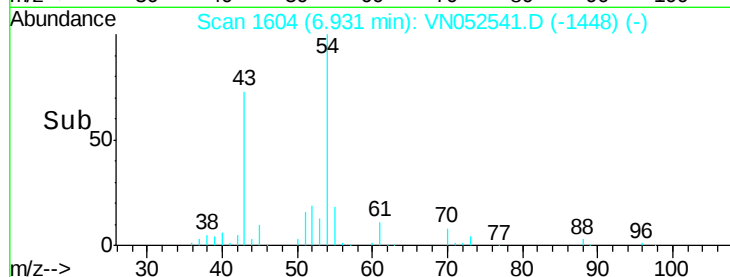
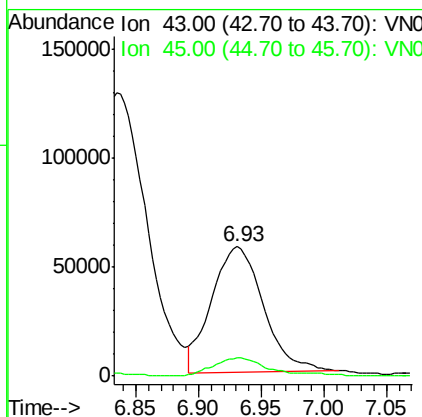
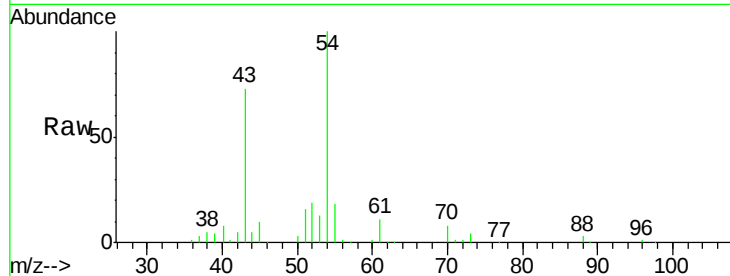
#43
Ethyl Acetate
Concen: 18.183 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion: 43 Resp: 165275
Ion Ratio Lower Upper
43 100
45 13.8 1.0 1.6#

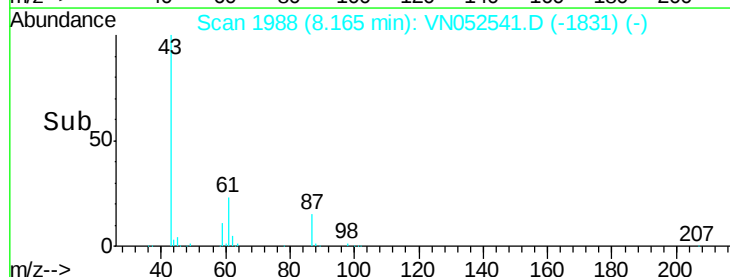
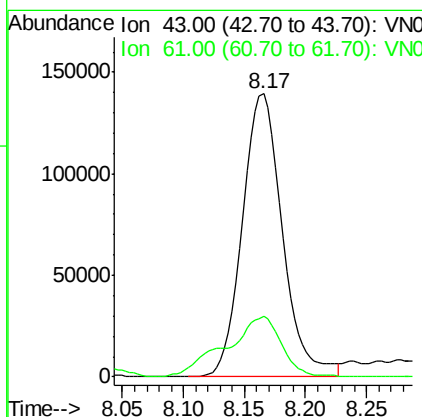
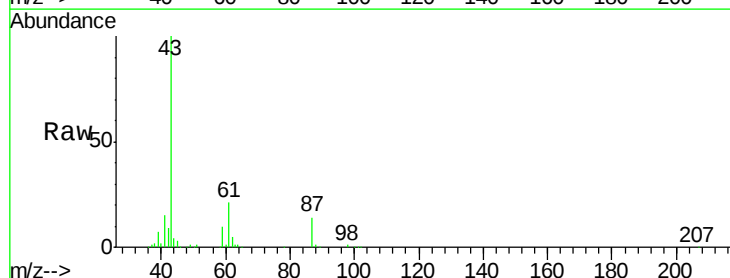
Manual Integrations
APPROVED

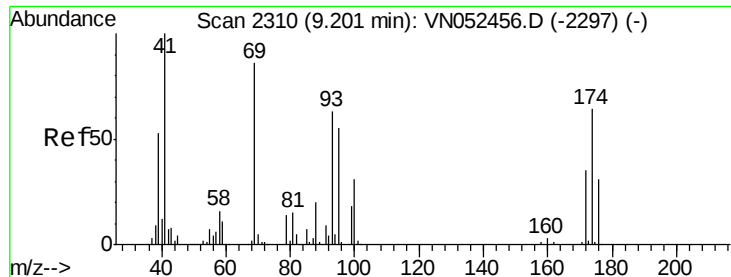
MMDadoda
11/29/2018 9:33:01 AM



#44
Isopropyl Acetate
Concen: 19.777 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion: 43 Resp: 315284
Ion Ratio Lower Upper
43 100
61 19.1 16.0 24.0





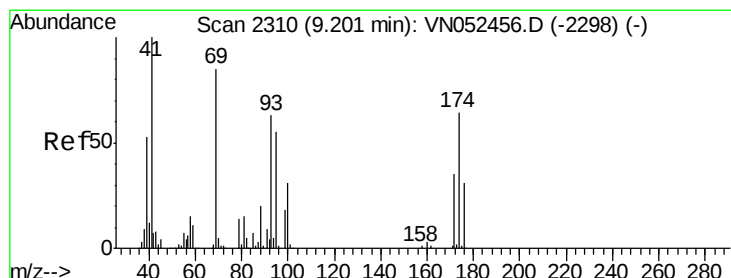
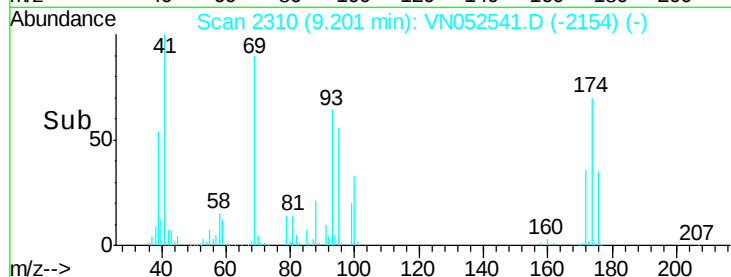
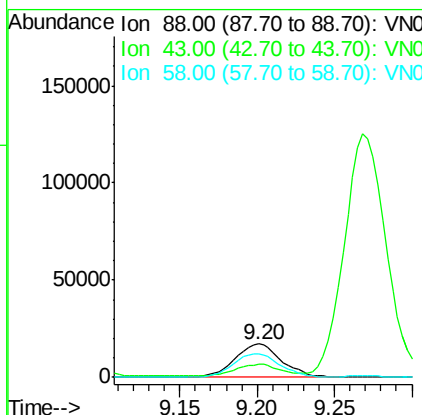
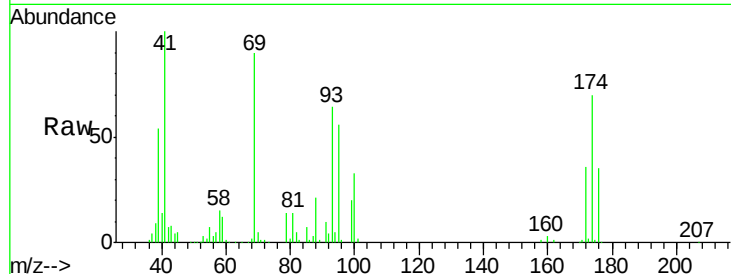
#45
1,4-Dioxane
Concen: 413.676 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	88	Resp	36077
Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.5	44.3
58	71.2	61.5	92.3

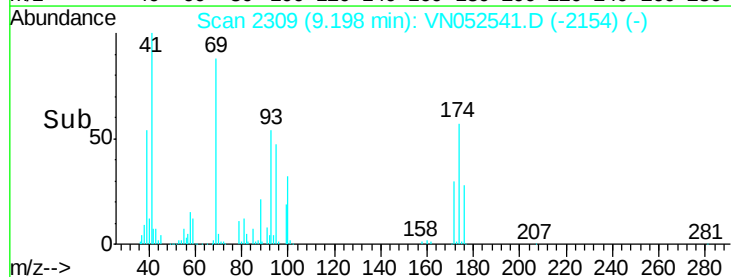
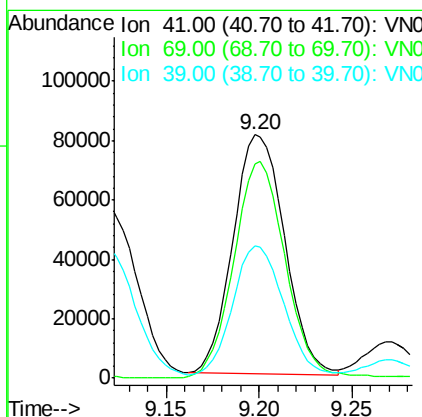
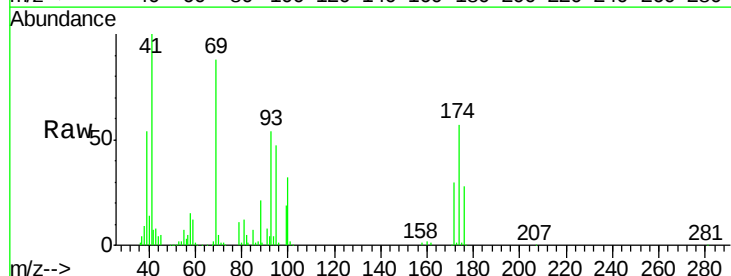
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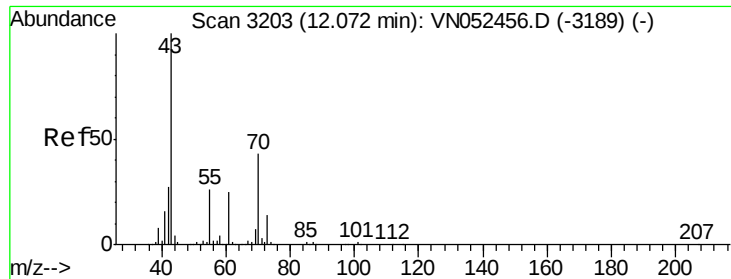
MMDadoda
11/29/2018 9:33:01 AM



#46
Methyl methacrylate
Concen: 18.900 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	41	Resp	156436
Ion	Ratio	Lower	Upper
41	100		
69	89.3	42.5	127.6
39	53.9	26.3	78.9





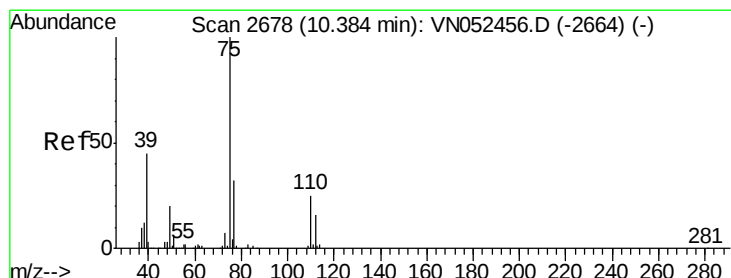
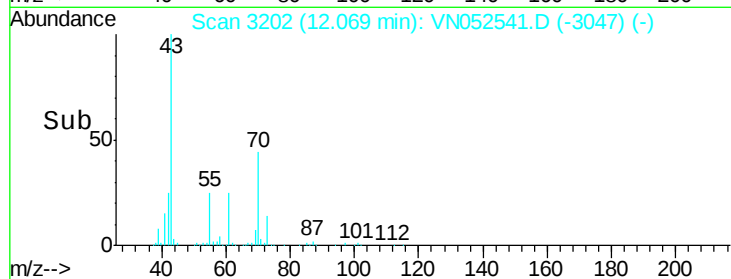
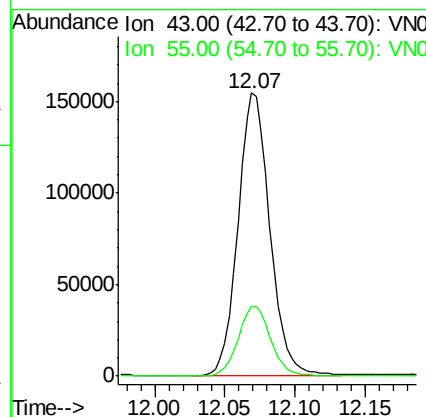
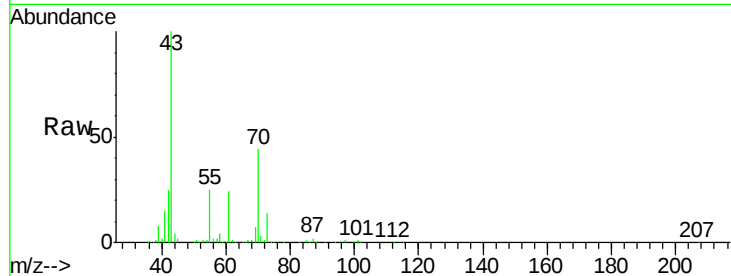
#47
n-amvl Acetate
Concen: 18.391 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	43	Resp	243081
Ion Ratio	100	Lower	Upper
43	100		
55	25.4	21.1	31.7

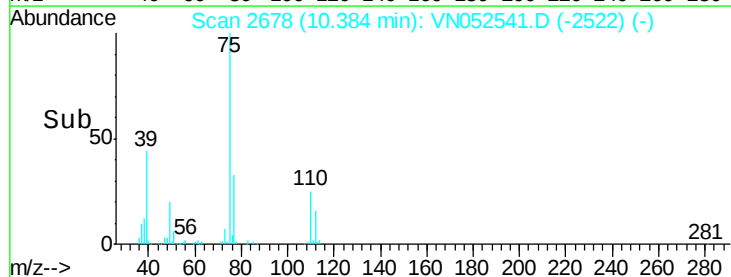
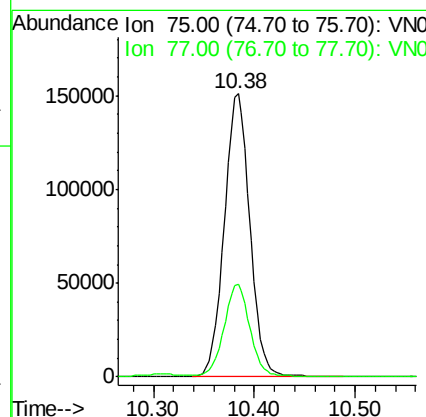
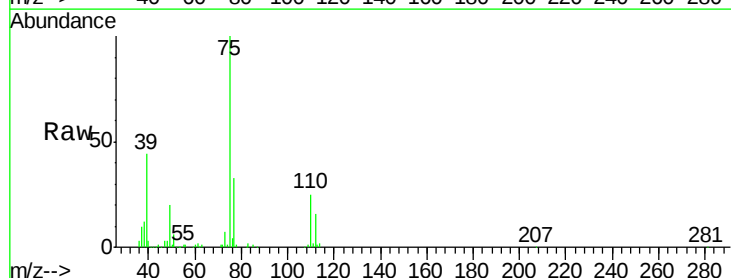
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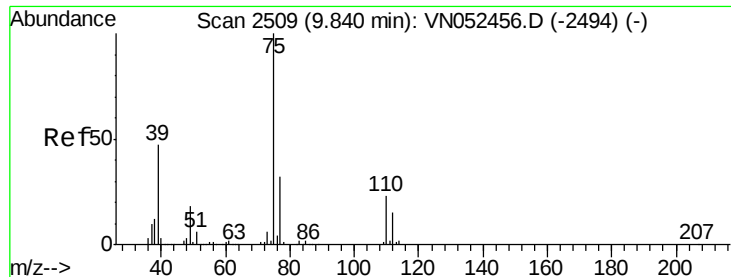
MMDadoda
11/29/2018 9:33:01 AM



#48
t-1,3-Dichloropropene
Concen: 17.973 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	75	Resp	267886
Ion Ratio	100	Lower	Upper
75	100		
77	32.7	25.6	38.4





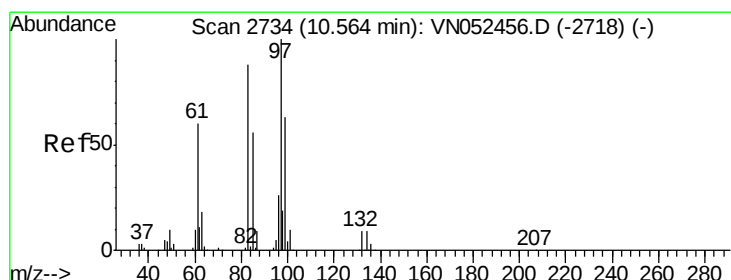
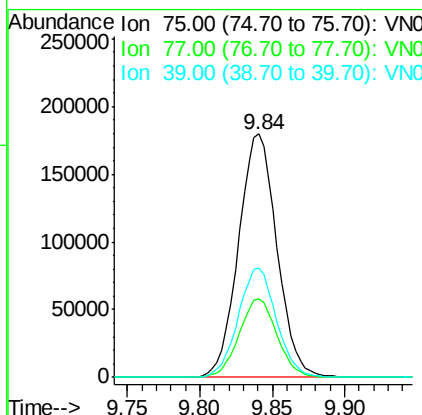
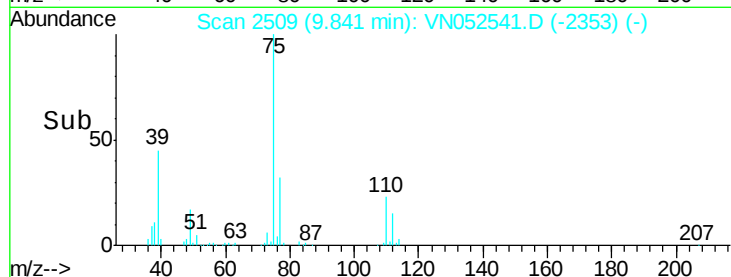
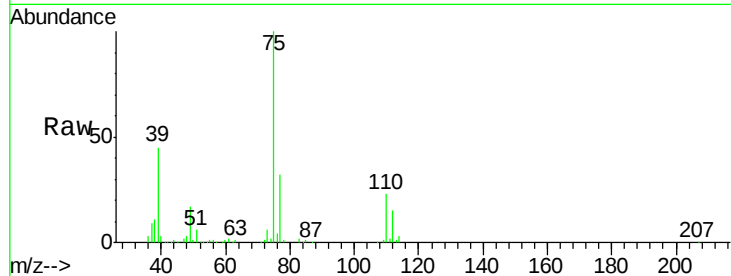
#49
 cis-1,3-Dichloropropene
 Concen: 18.189 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100	330292		
77	32.4		25.4	38.0
39	44.7		37.3	55.9

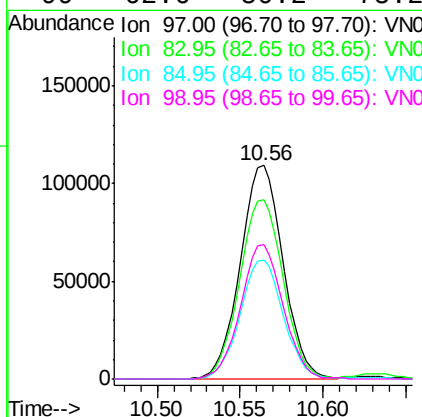
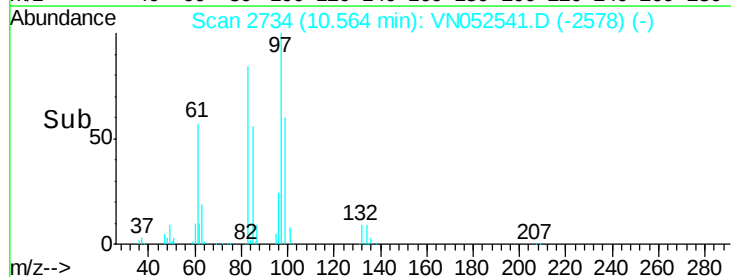
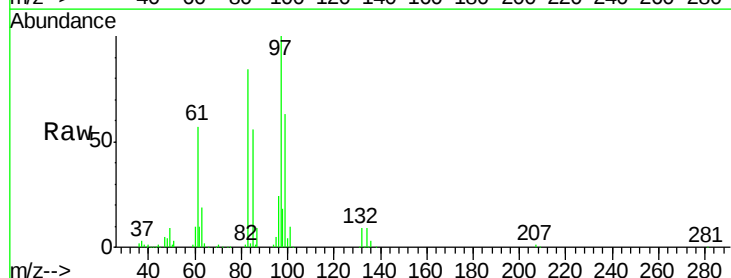
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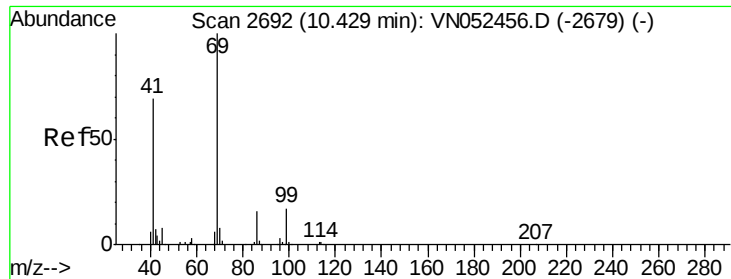
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 11/29/2018 9:33:01 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.896 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	196216		
83	84.1		70.4	105.6
85	55.7		45.0	67.6
99	62.6		50.2	75.2





#51

Ethyl methacrylate

Concen: 19.598 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

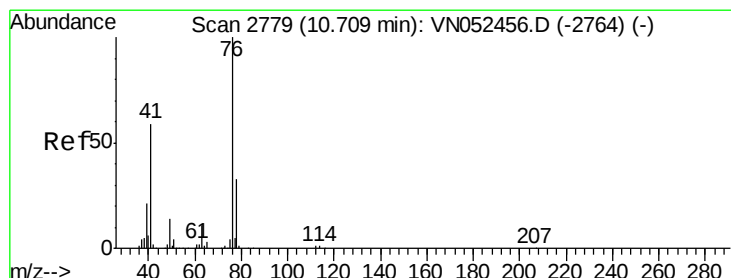
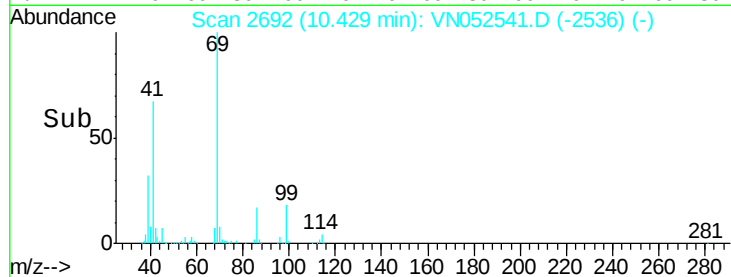
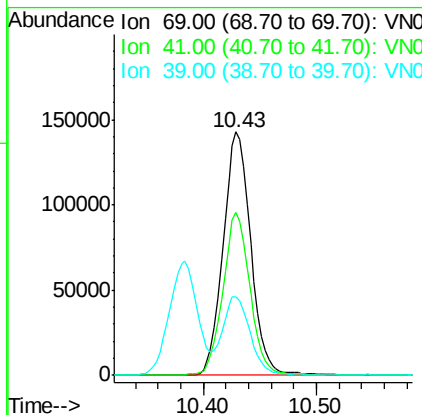
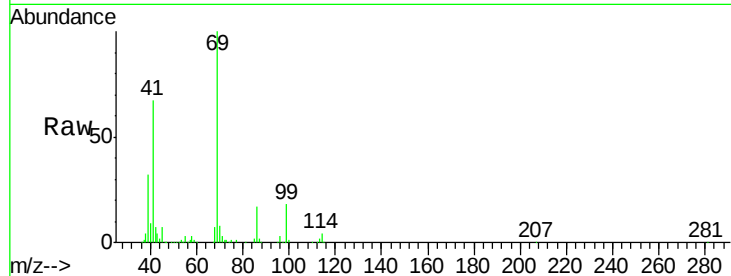
ClientSampleId :

VN1128WBSD02

Tot Ion:	69	Resp:	242746
Ion	Ratio	Lower	Upper
69	100		
41	66.5	34.4	103.3
39	32.1	16.4	49.2

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#52

1,3-Dichloropropane

Concen: 19.148 ug/l

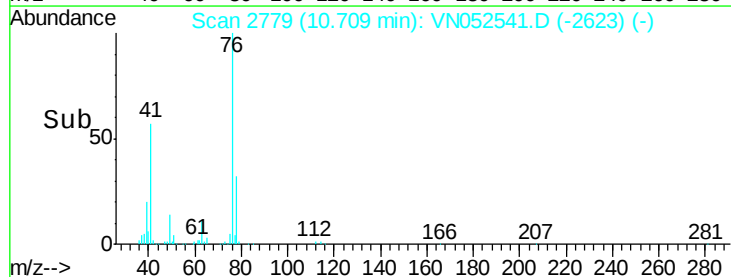
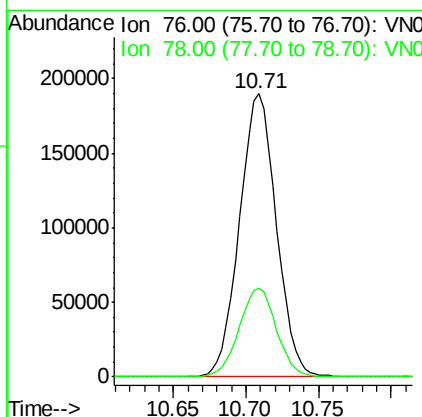
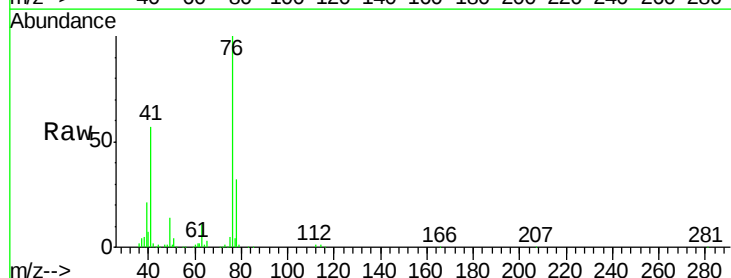
RT: 10.71 min Scan# 2779

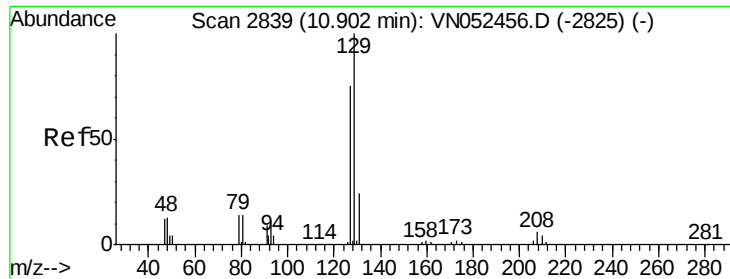
Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	76	Resp:	336136
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8





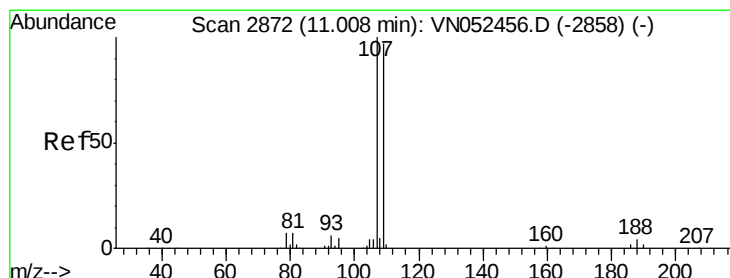
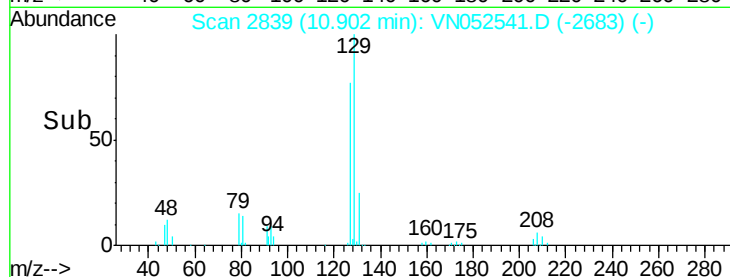
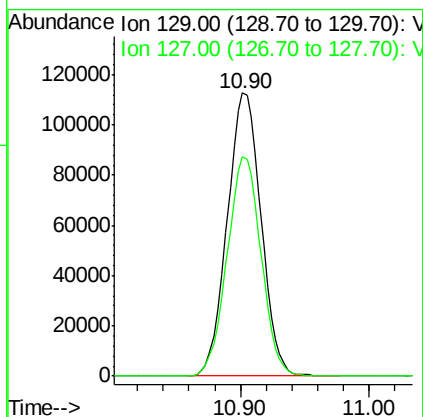
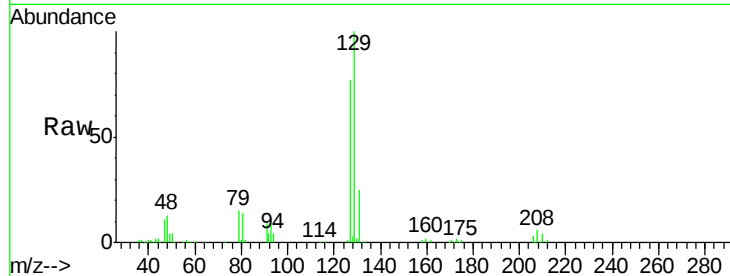
#53
 Dibromochloromethane
 Concen: 18.911 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion:129 Resp: 205333
 Ion Ratio Lower Upper
 129 100
 127 77.6 37.6 112.8

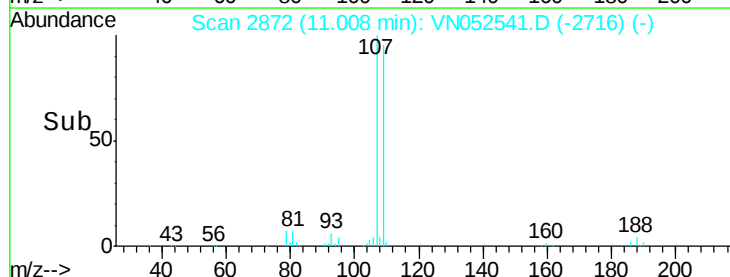
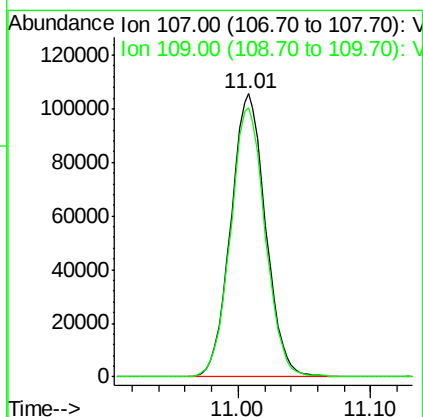
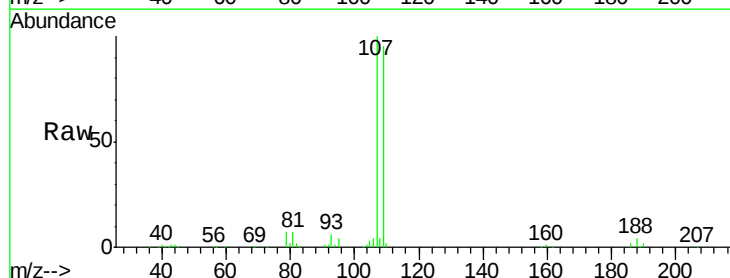
Manual Integrations
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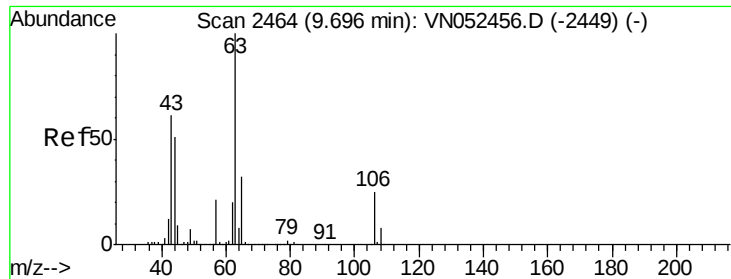
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 11/29/2018 9:33:01 AM



#54
 1,2-Dibromoethane
 Concen: 19.936 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion:107 Resp: 192127
 Ion Ratio Lower Upper
 107 100
 109 94.4 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 100.685 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

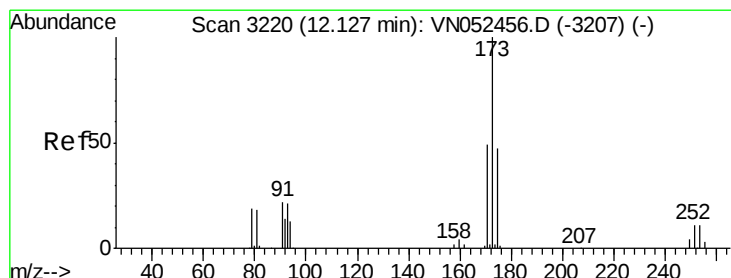
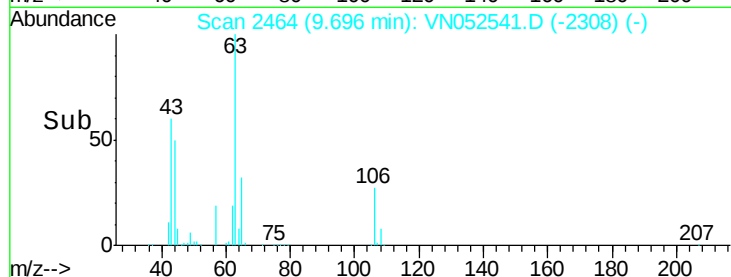
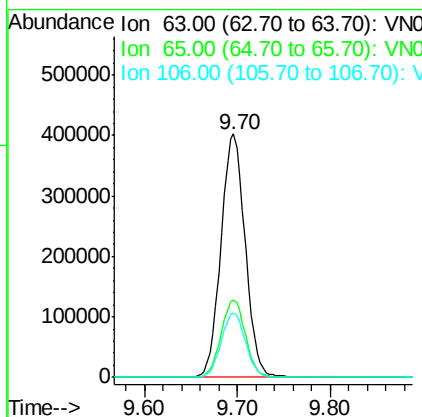
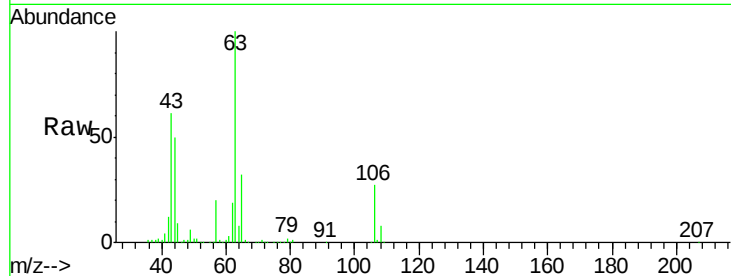
ClientSampleId :

VN1128WBSD02

Tot Ion:	63	Resp:	730008
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	26.5	20.4	30.6

Manual Integrations
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11/29/2018 9:33:01 AM



#56

Bromoform

Concen: 18.736 ug/l

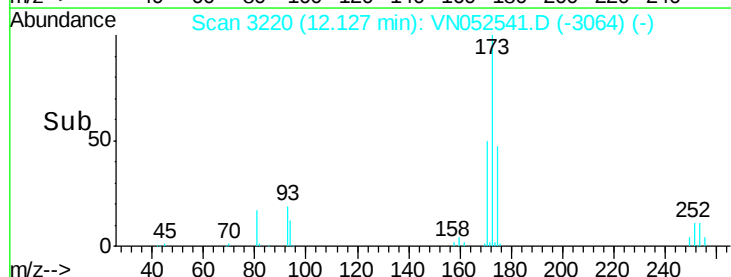
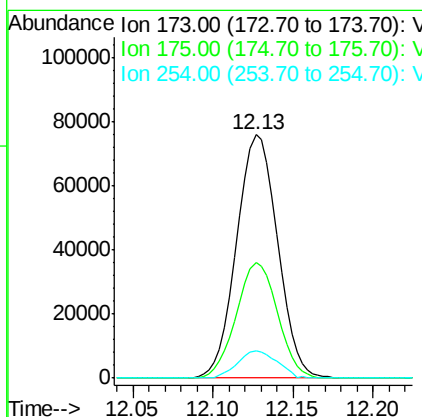
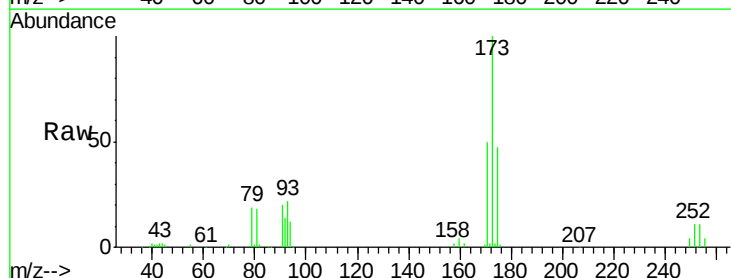
RT: 12.13 min Scan# 3220

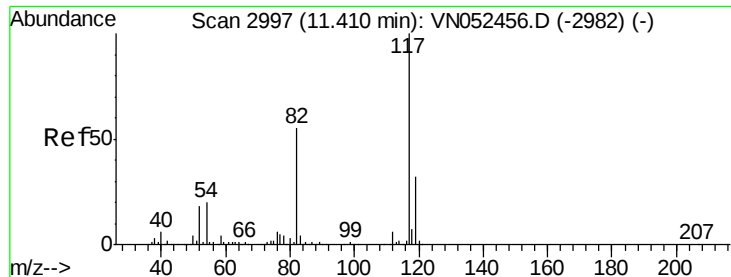
Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	173	Resp:	132971
Ion	Ratio	Lower	Upper
173	100		
175	47.7	38.7	58.1
254	10.7	8.4	12.6





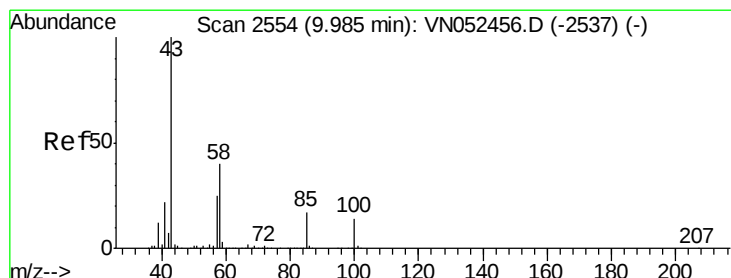
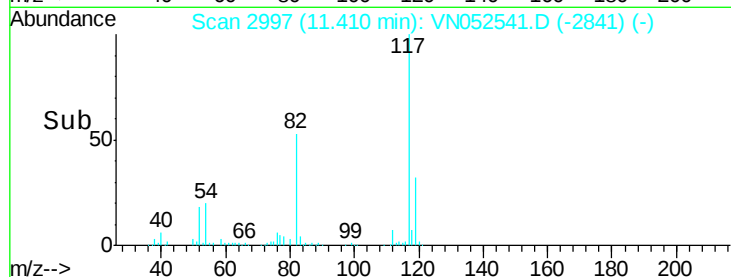
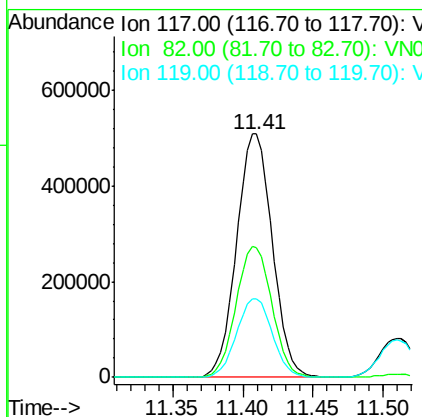
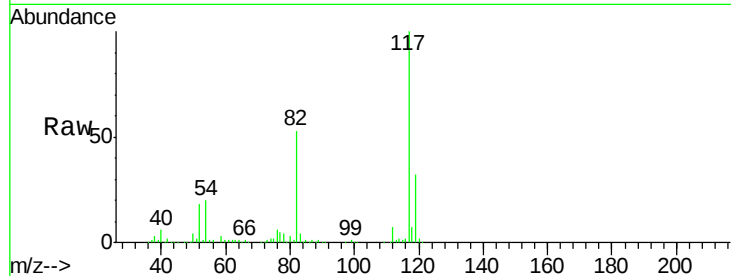
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.2	66.2
119	32.5	25.4	38.2

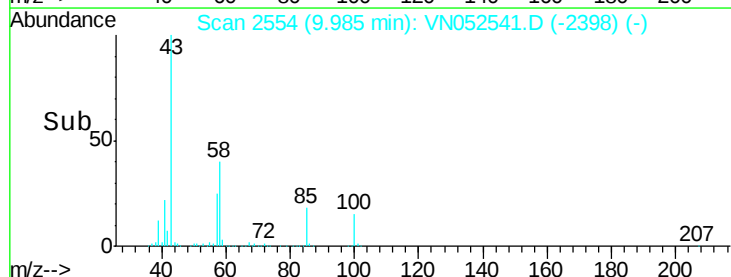
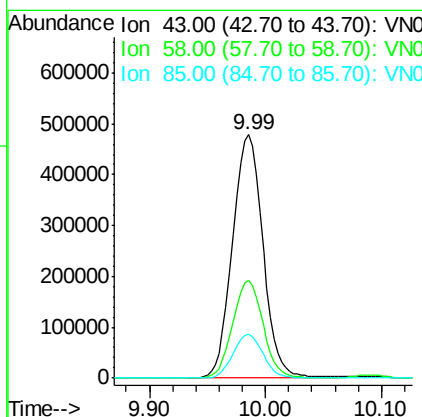
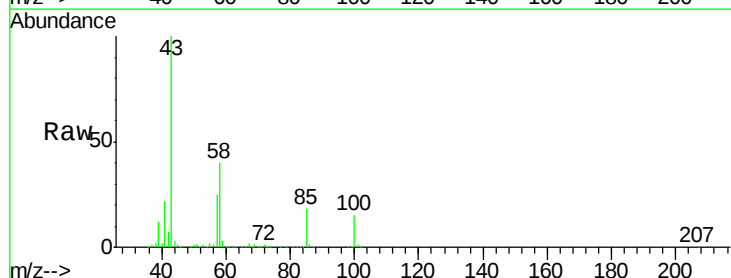
Manual Integrations
APPROVED

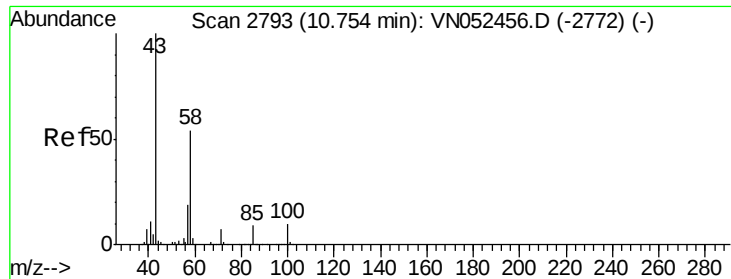
MMDadoda
11/29/2018 9:33:01 AM



#58
4-Methyl-2-Pentanone
Concen: 99.004 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.6	47.4
85	17.8	13.3	19.9





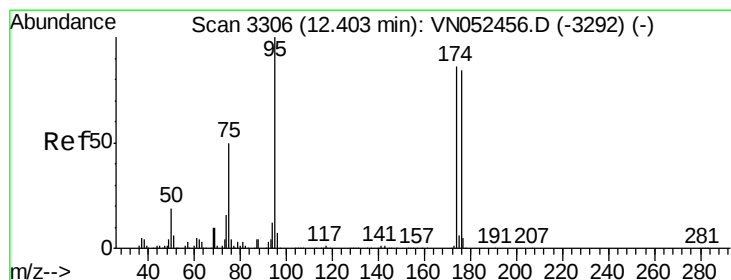
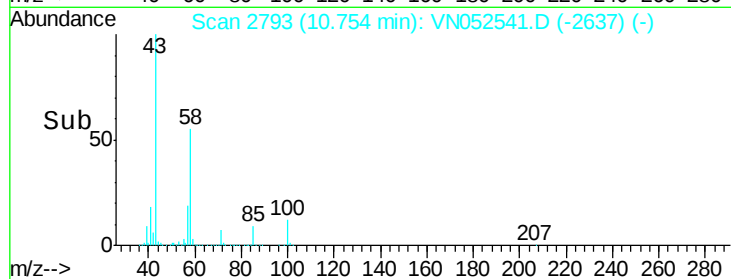
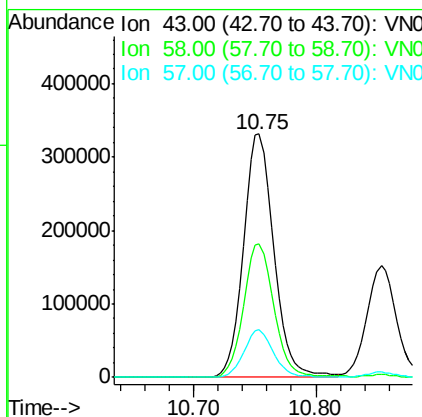
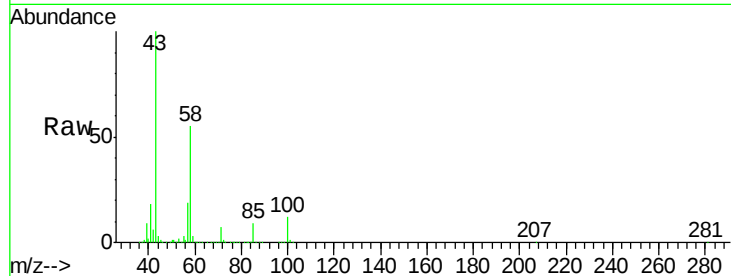
#59
2-Hexanone
Concen: 94.297 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.2	43.2	64.8
57	19.1	14.9	22.3

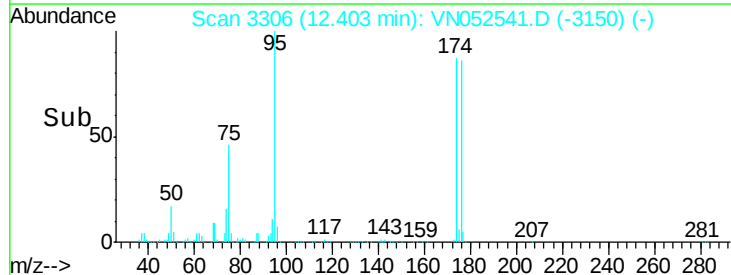
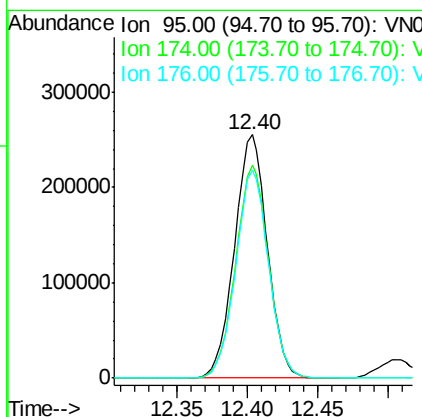
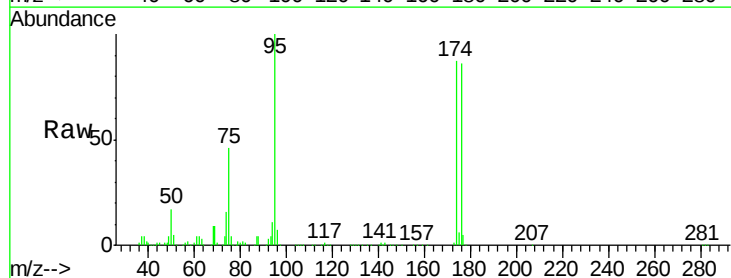
Manual Integrations
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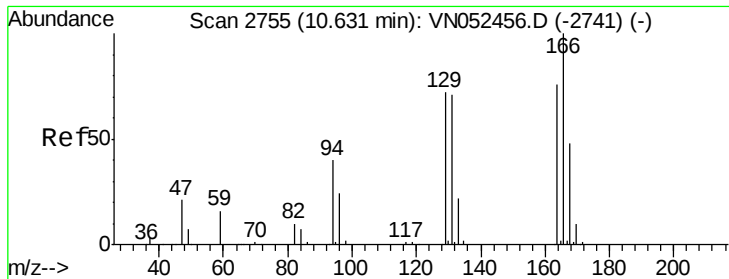
MMDadoda
11/29/2018 9:33:01 AM



#60
4-Bromofluorobenzene
Concen: 94.297 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	67.9	101.9
176	85.5	66.4	99.6





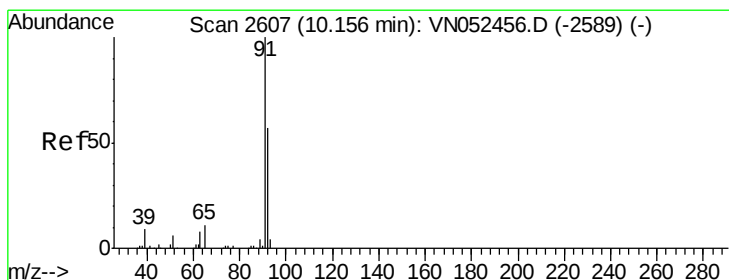
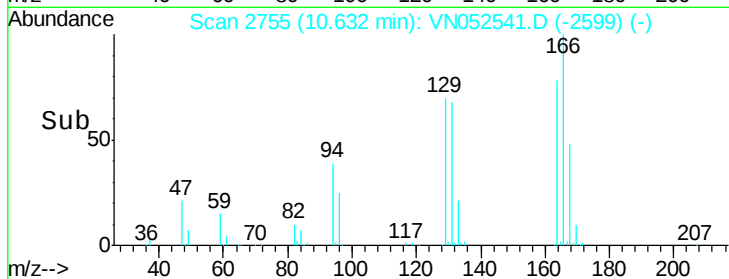
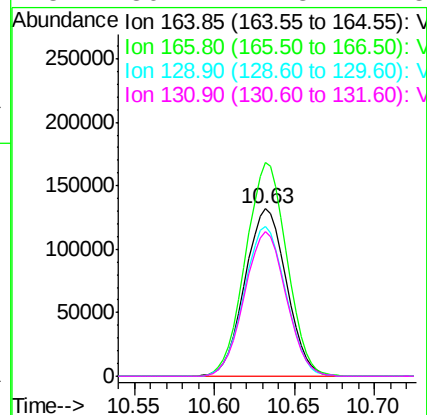
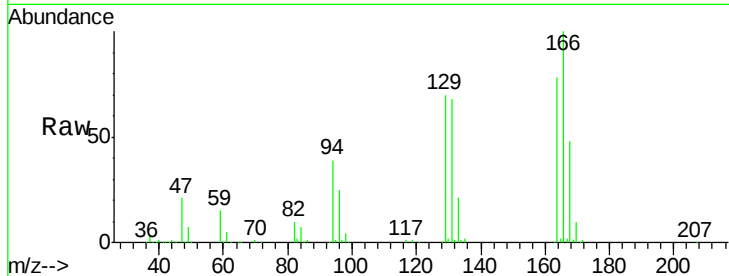
#61
Tetrachloroethene
Concen: 21.148 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.6	104.6	157.0
129	89.3	75.3	112.9
131	86.2	74.3	111.5

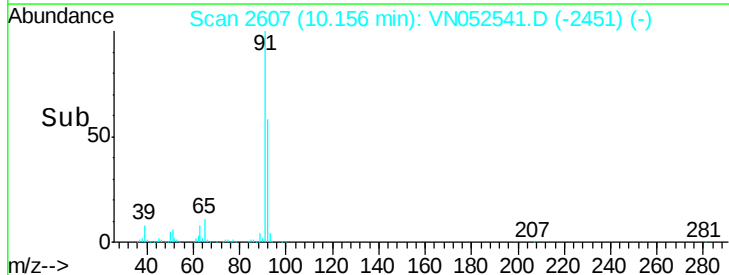
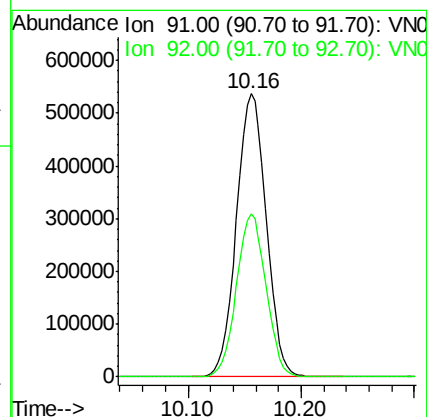
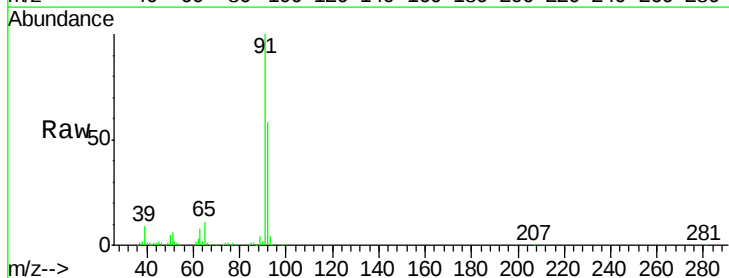
Manual Integrations
APPROVED

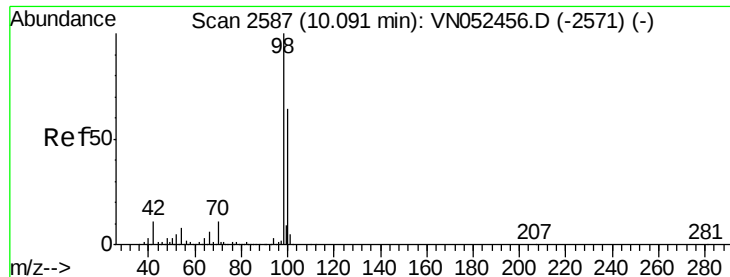
MMDadoda
11/29/2018 9:33:01 AM



#62
Toluene
Concen: 19.756 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.4	68.2





#63

Toluene-d8

Concen: 19.756 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 98 Resp: 1247607

Ion Ratio Lower Upper

98 100

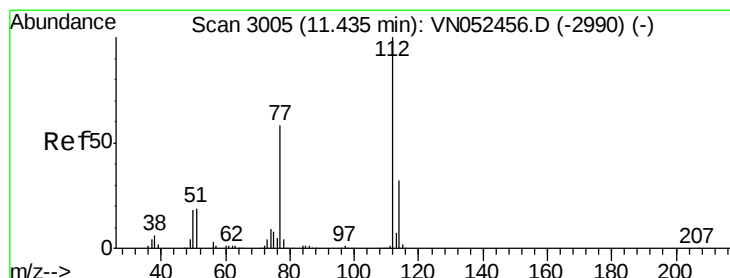
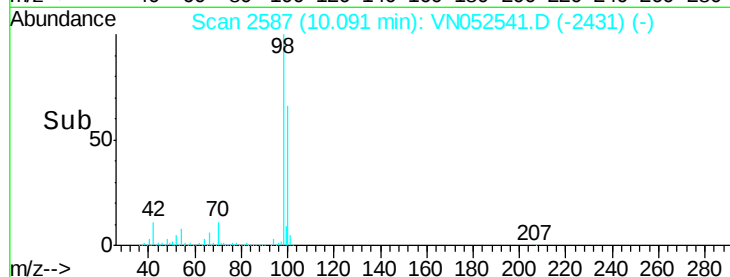
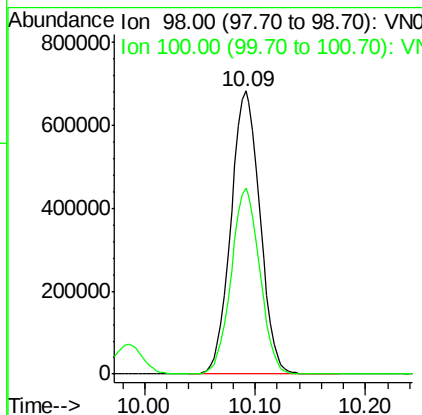
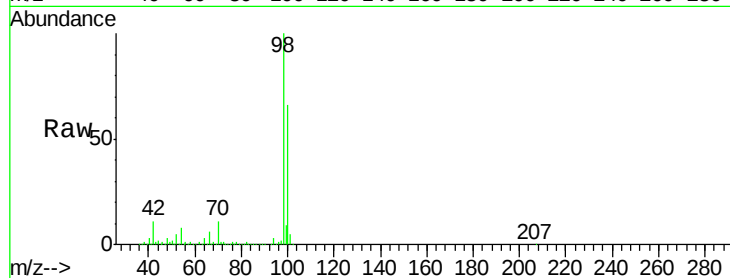
100 64.4 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 19.823 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052541.D

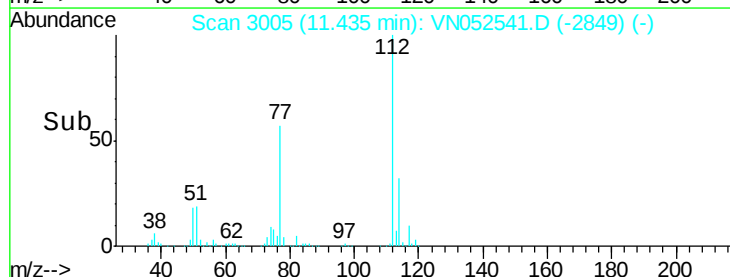
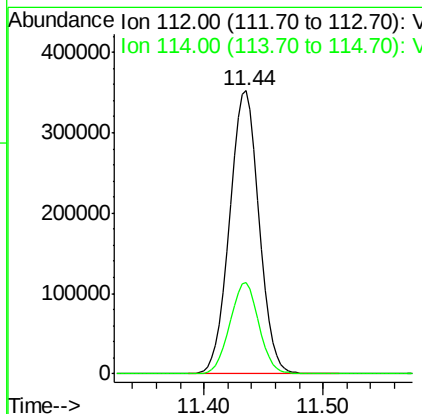
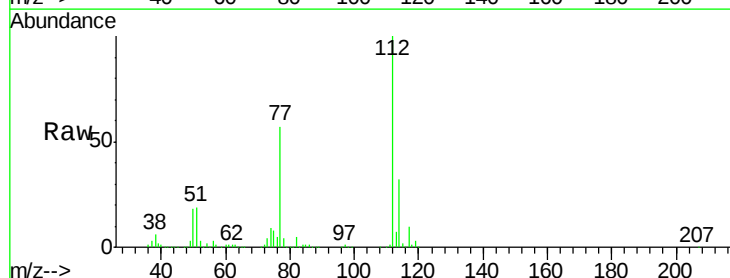
Acq: 29 Nov 2018 1:40

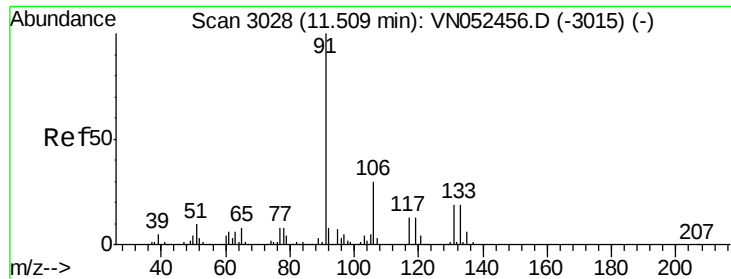
Tgt Ion: 112 Resp: 603724

Ion Ratio Lower Upper

112 100

114 32.2 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.753 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

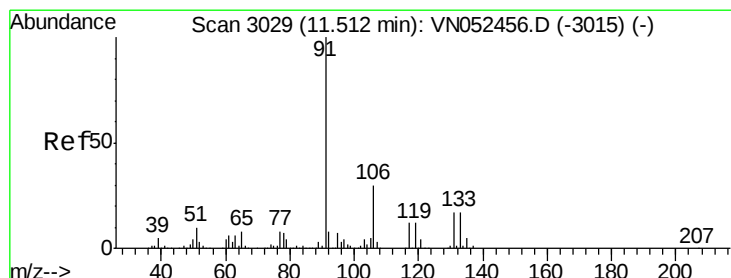
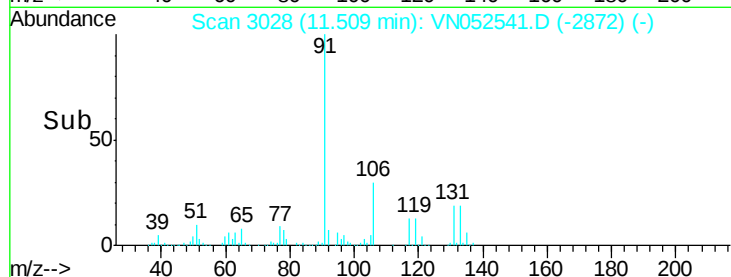
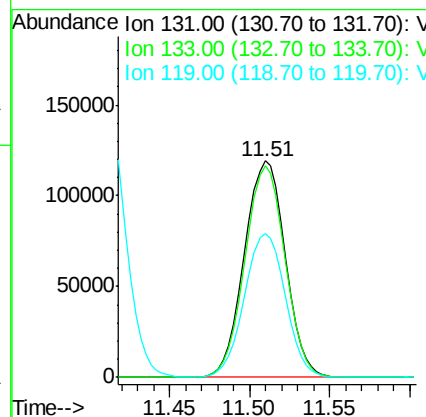
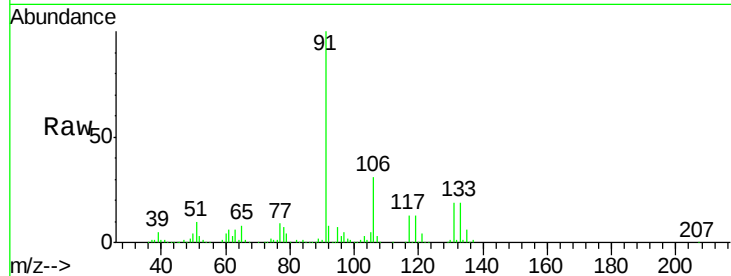
ClientSampleId :

VN1128WBSD02

Tot Ion:	131	Resp:	208822
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	193.4
119	66.5	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.552 ug/l

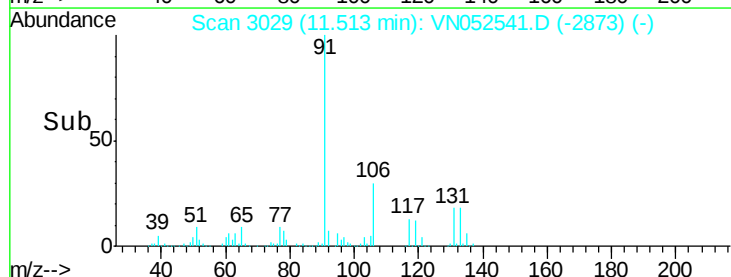
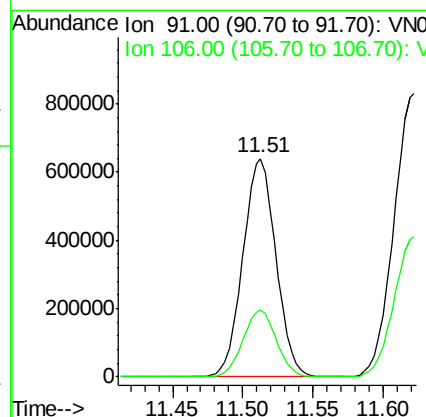
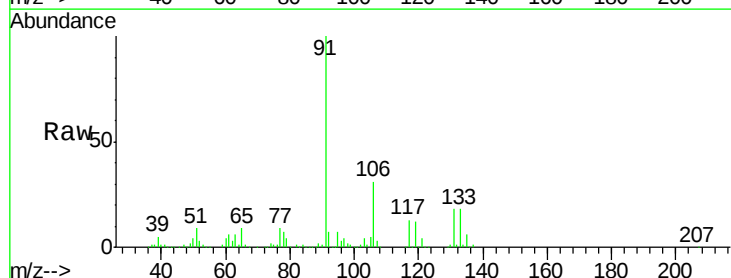
RT: 11.51 min Scan# 3029

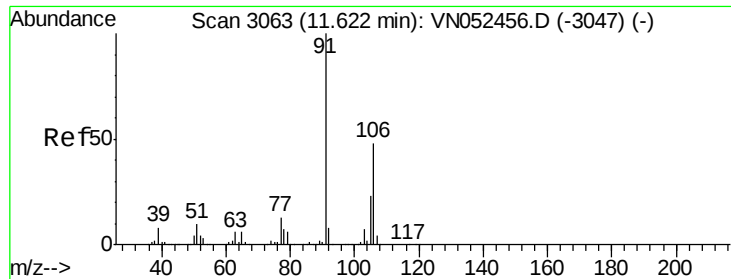
Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	91	Resp:	1051502
Ion Ratio	Lower	Upper	
91	100		
106	30.8	24.3	36.5





#67

m/p-Xylenes

Concen: 39.895 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion:106 Resp: 799327

Ion Ratio Lower Upper

106 100

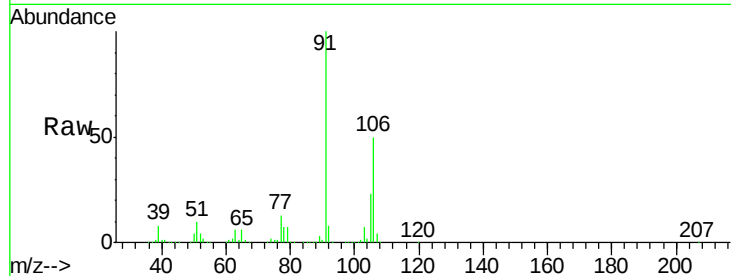
91 201.2 163.9 245.9

Manual Integrations

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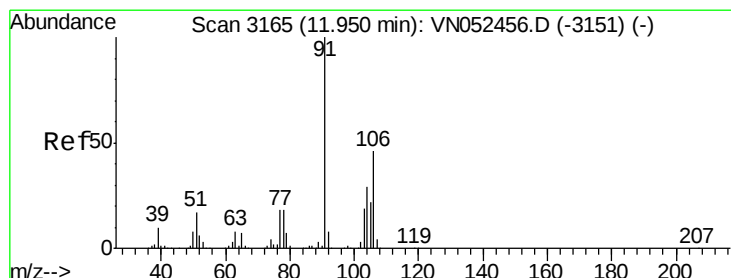
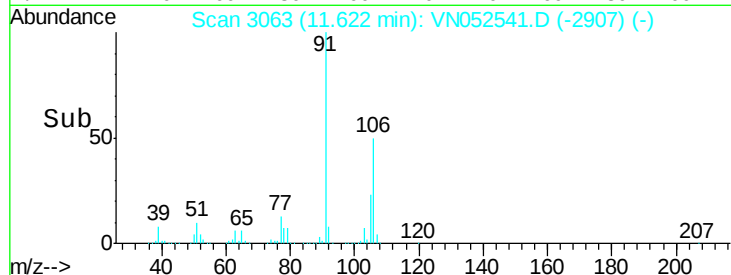
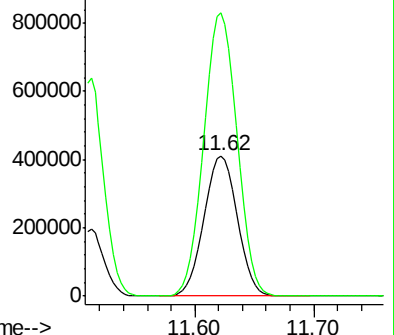
MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.997 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN052541.D

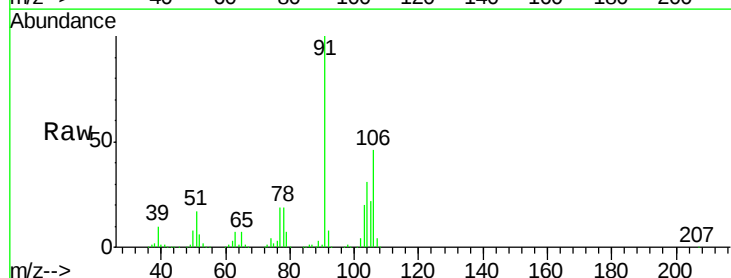
Acq: 29 Nov 2018 1:40

Tgt Ion:106 Resp: 388861

Ion Ratio Lower Upper

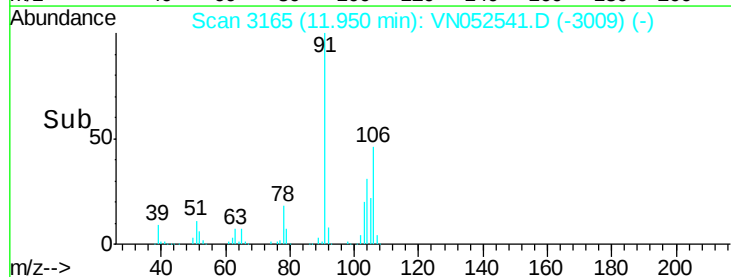
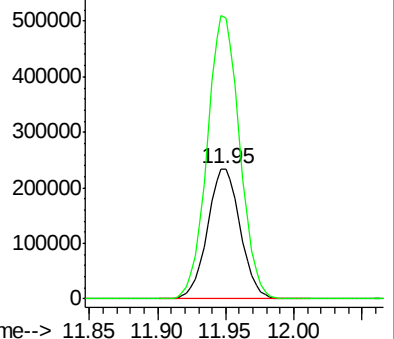
106 100

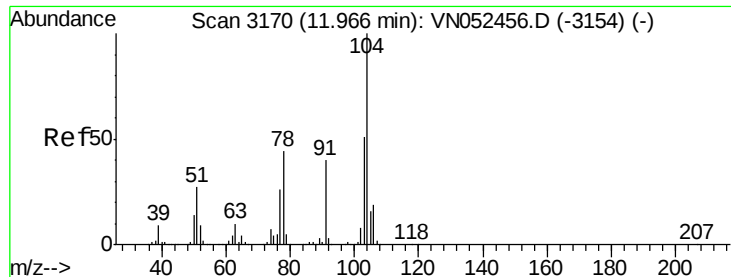
91 216.3 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





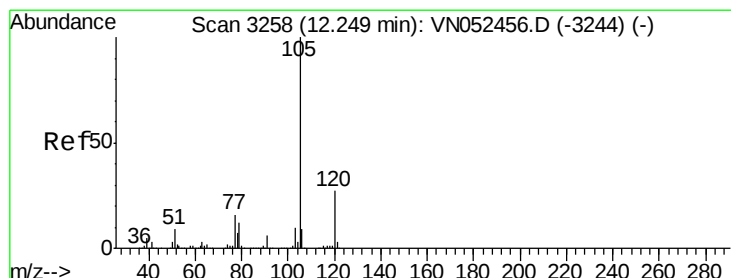
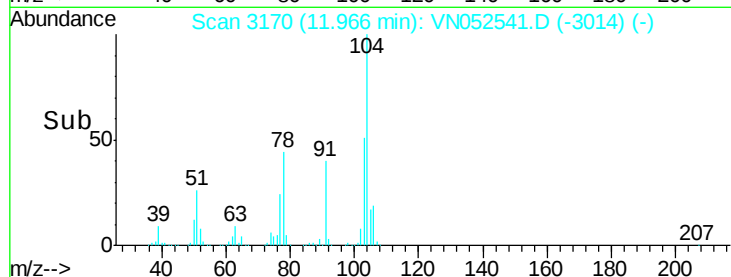
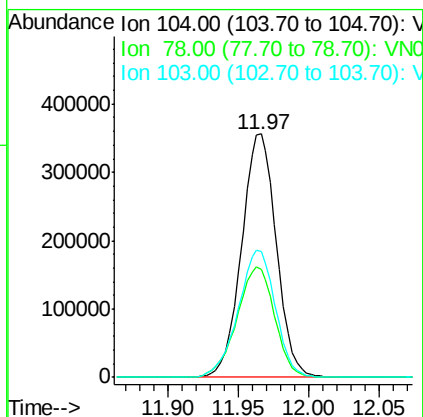
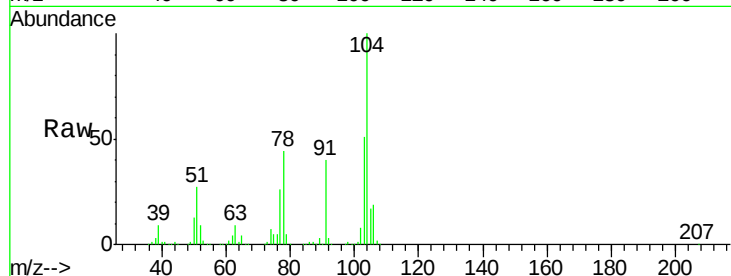
#69
Stvrene
Concen: 19.564 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.3	58.9
103	56.1	44.6	66.8

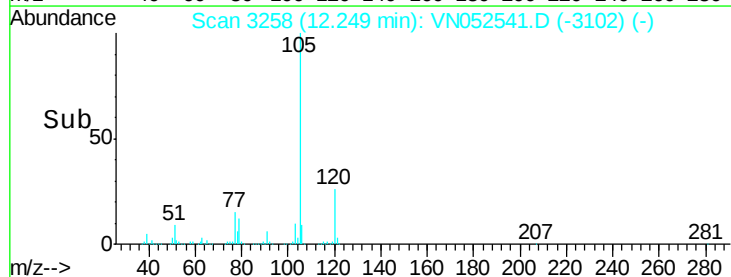
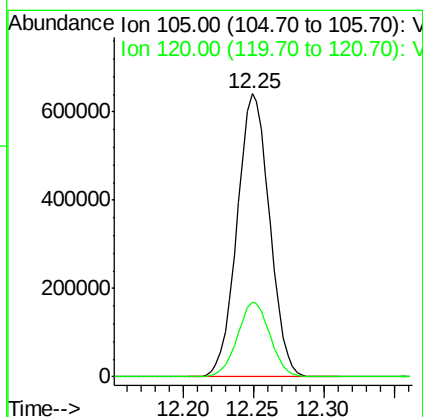
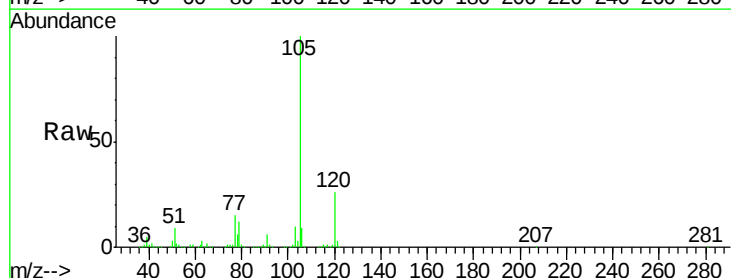
Manual Integrations
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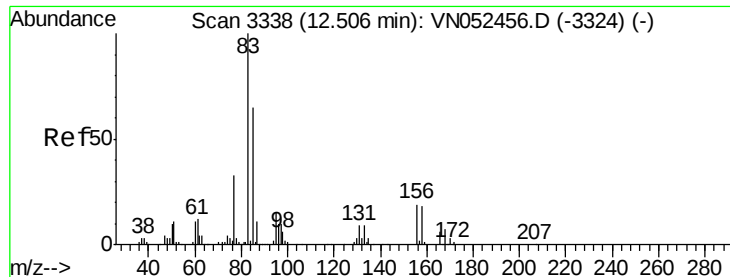
MMDadoda
11/29/2018 9:33:01 AM



#70
Isopropylbenzene
Concen: 20.045 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	18.6	34.6





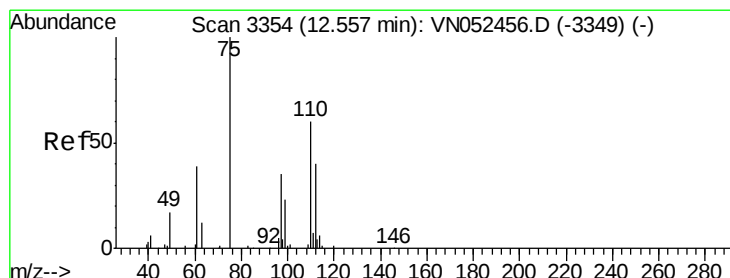
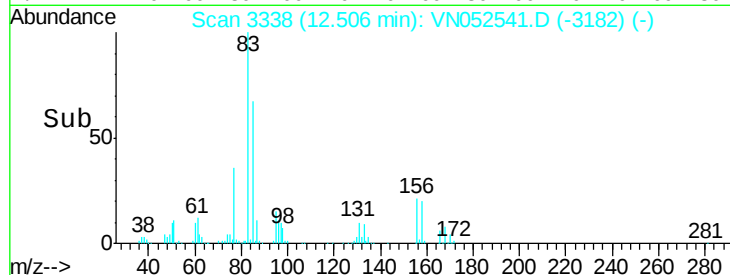
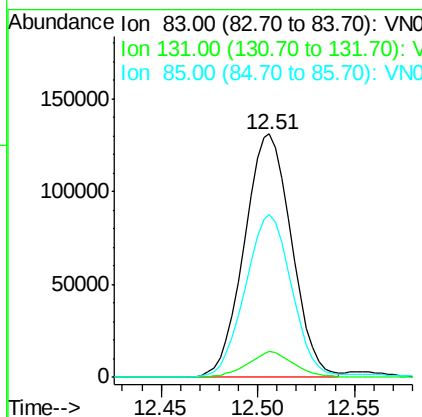
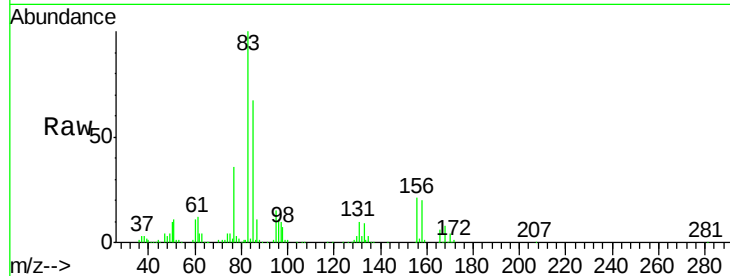
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.831 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.4	4.9	14.6
85	65.8	32.2	96.6

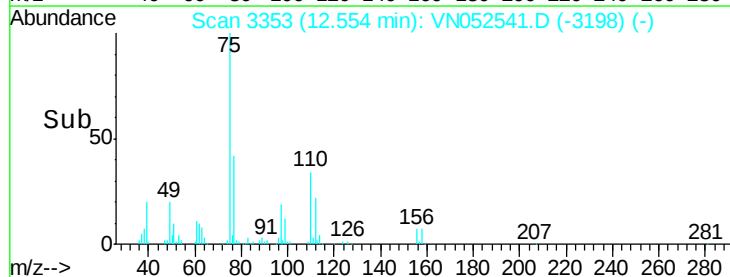
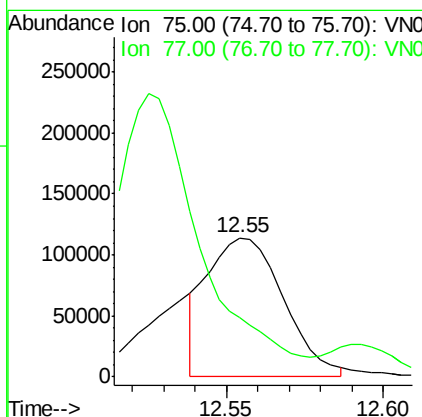
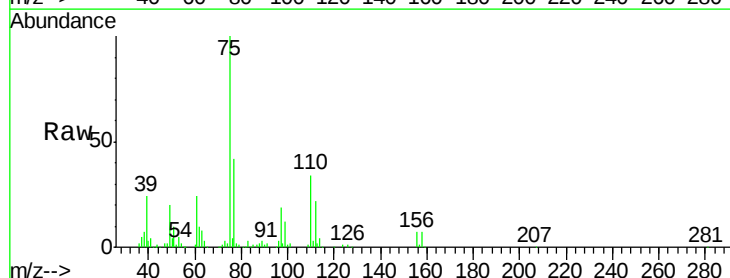
Manual Integrations
 APPROVED

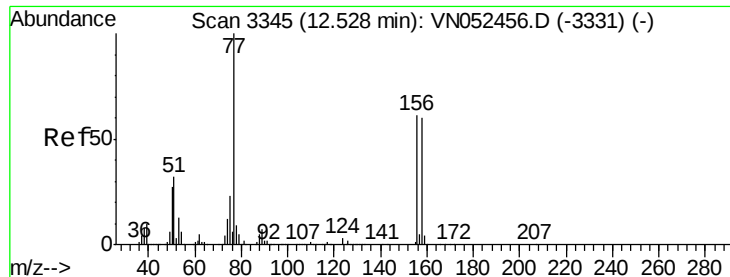
MMDadoda
 11/29/2018 9:33:01 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.977 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	236.6	0.0	514.8





#73

Bromobenzene

Concen: 20.060 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

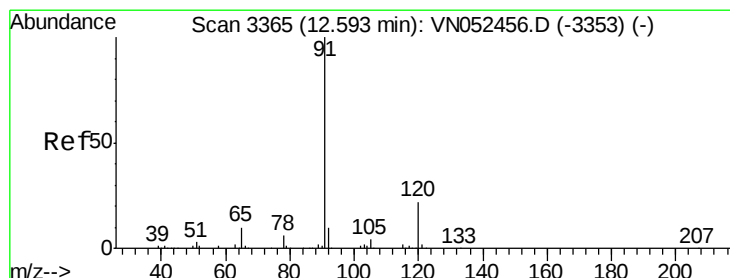
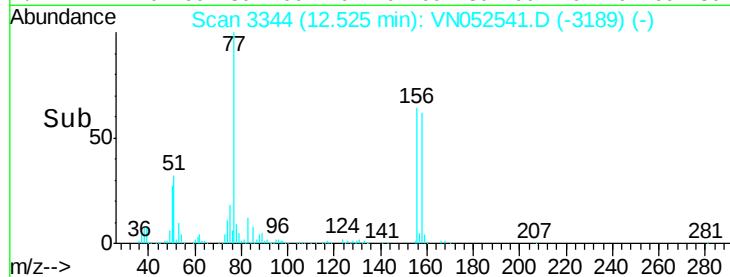
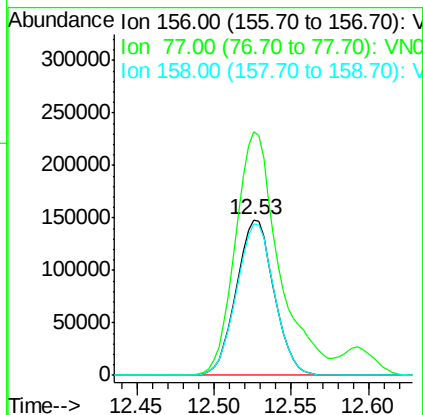
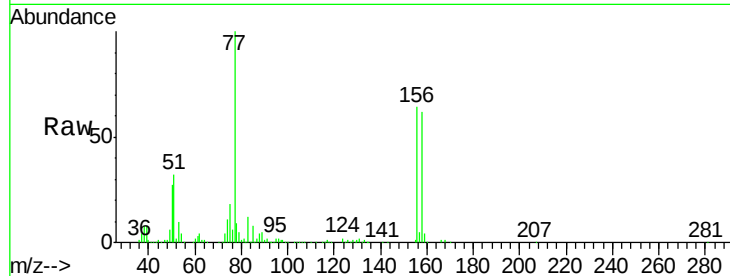
ClientSampleId :

VN1128WBSD02

Tot Ion:	156	Resp:	251029
Ion Ratio	Lower	Upper	
156	100		
77	181.9	0.0	382.6
158	98.1	0.0	196.8

Manual Integrations
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#74

n-propylbenzene

Concen: 19.251 ug/l

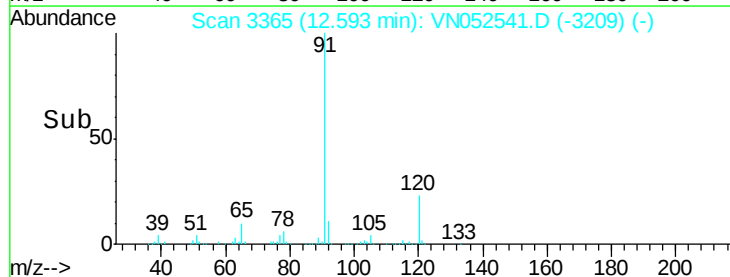
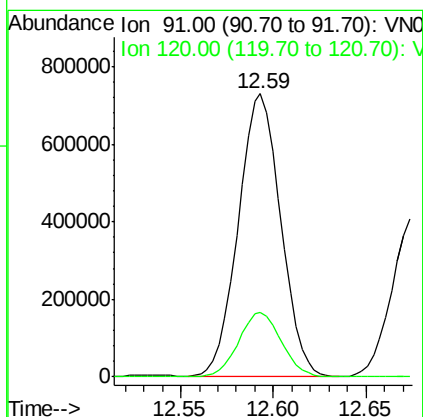
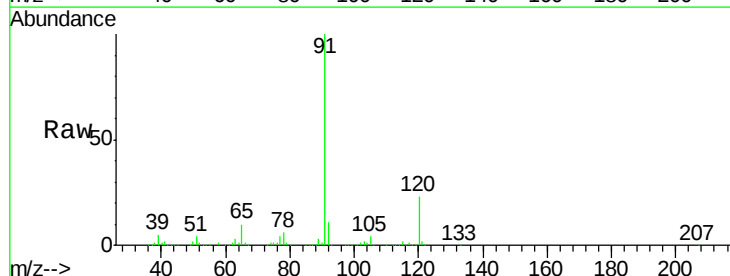
RT: 12.59 min Scan# 3365

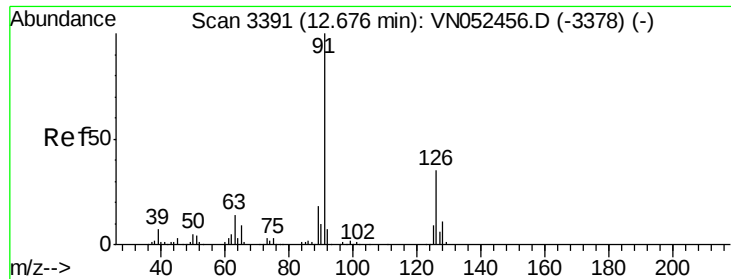
Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	91	Resp:	1160580
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.758 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

ClientSampleId :

VN1128WBSD02

Tot Ion: 91 Resp: 691374

Ion Ratio Lower Upper

91 100

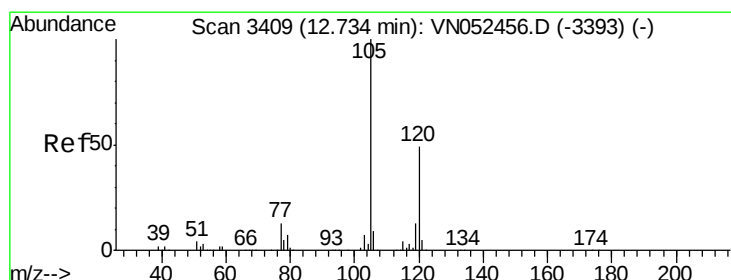
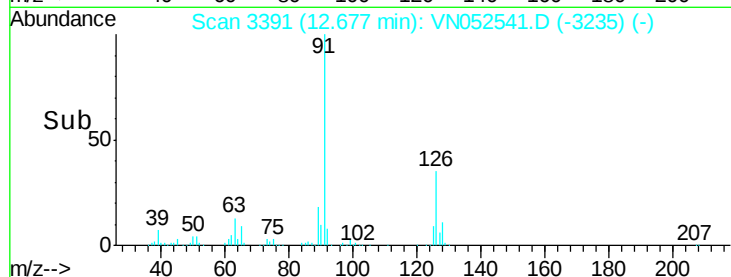
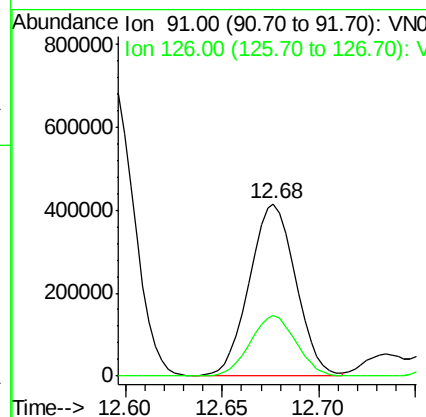
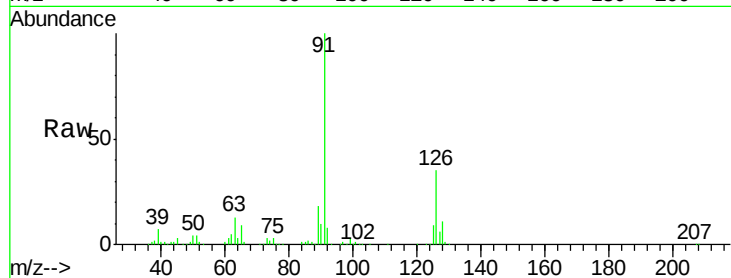
126 34.9 0.0 68.4

Manual Integrations

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11/29/2018 9:33:01 AM



#76

1,3,5-Trimethylbenzene

Concen: 20.025 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052541.D

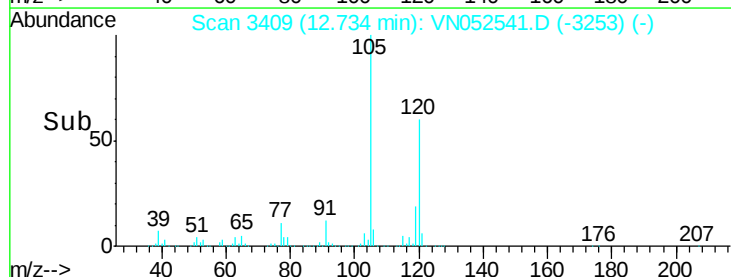
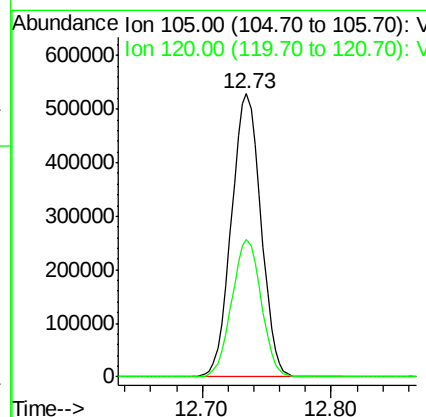
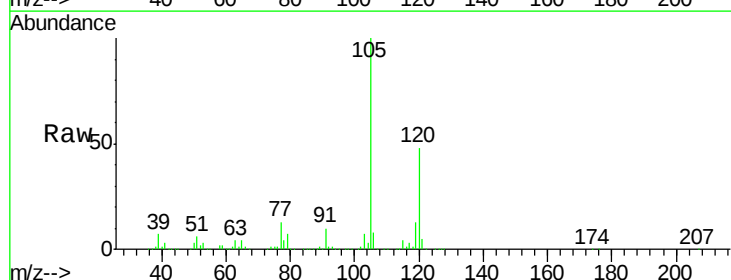
Acq: 29 Nov 2018 1:40

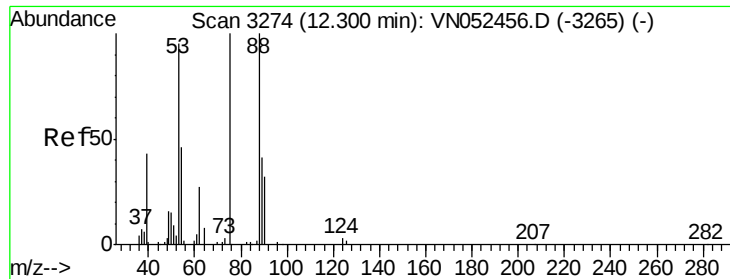
Tgt Ion: 105 Resp: 836864

Ion Ratio Lower Upper

105 100

120 48.4 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 16.878 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

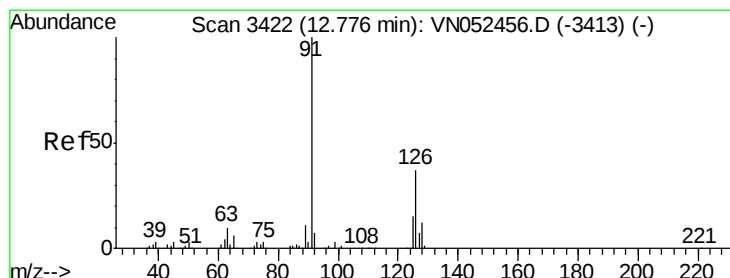
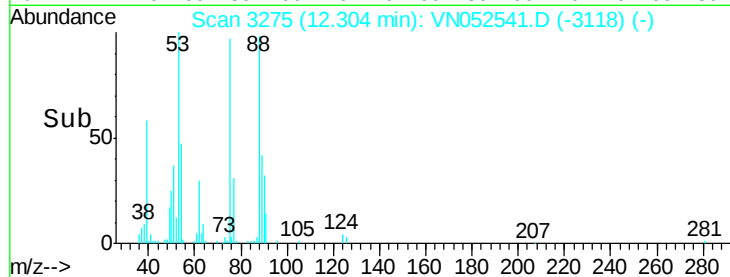
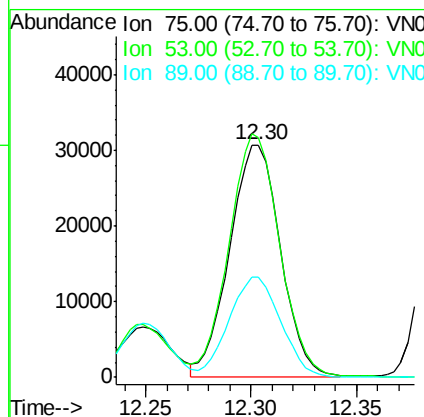
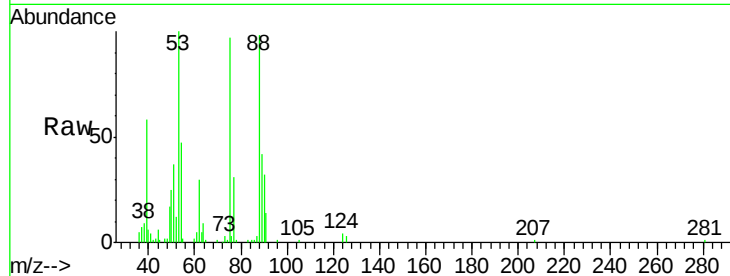
ClientSampleId :

VN1128WBSD02

Tot Ion:	75	Resp:	51514
Ion	Ratio	Lower	Upper
75	100		
53	103.0	48.5	145.6
89	43.5	21.7	65.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.443 ug/l

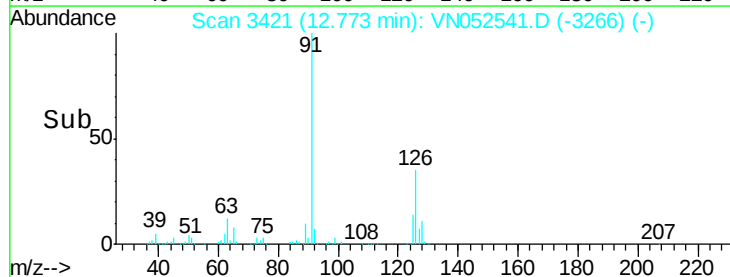
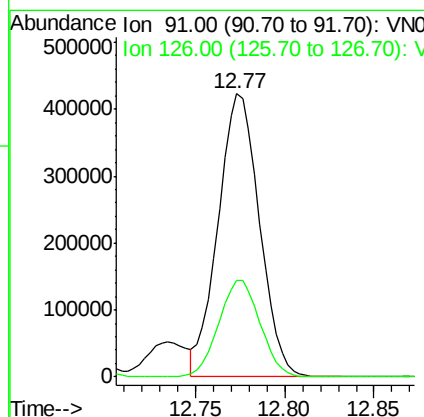
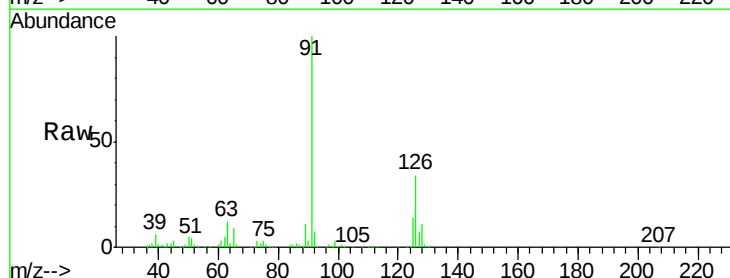
RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	91	Resp:	679431
Ion	Ratio	Lower	Upper
91	100		
126	34.5	0.0	68.2





#79

tert-butylbenzene

Concen: 20.265 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

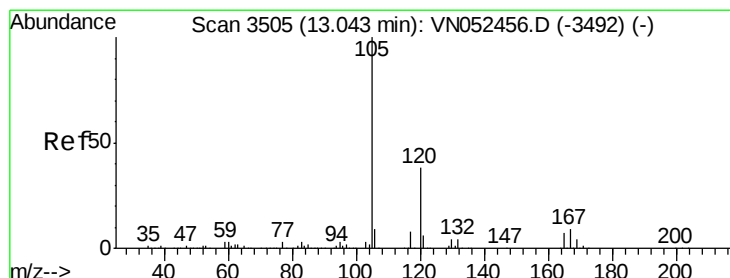
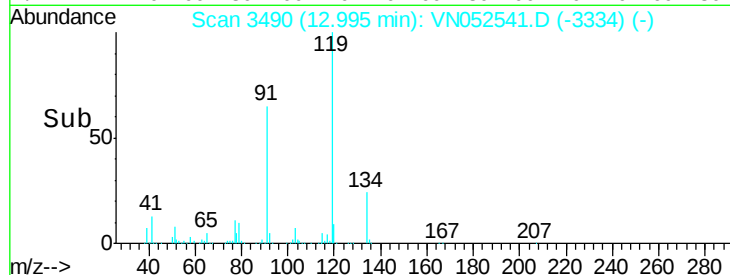
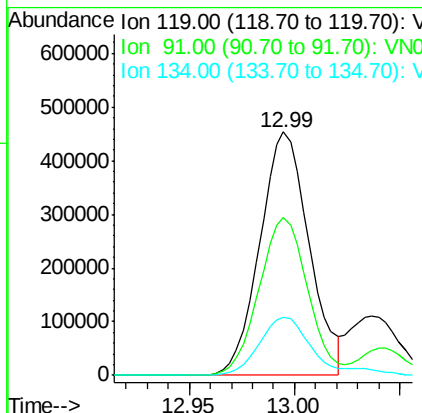
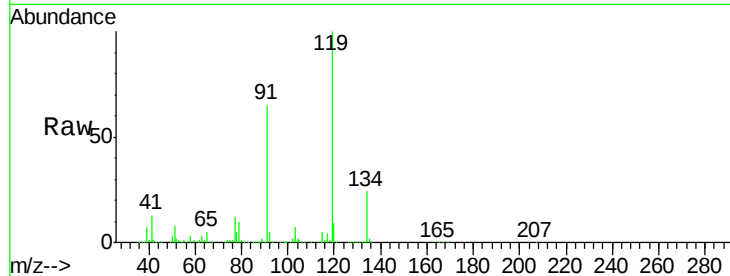
ClientSampleId :

VN1128WBSD02

Tot Ion:	119	Resp:	737554
Ion Ratio	Lower	Upper	
119	100		
91	64.0	0.0	129.8
134	24.3	0.0	52.2

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#80

1,2,4-Trimethylbenzene

Concen: 19.958 ug/l

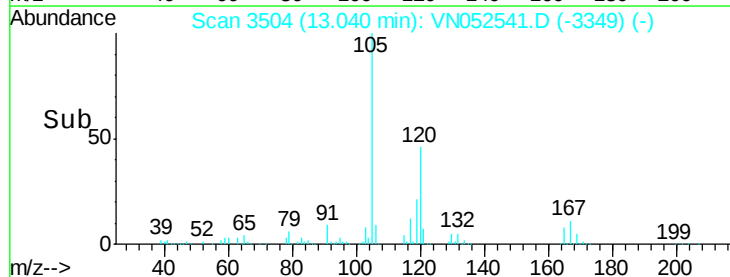
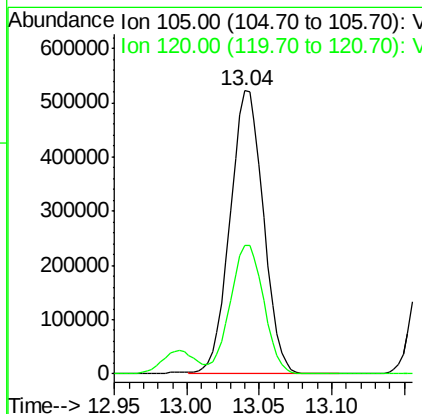
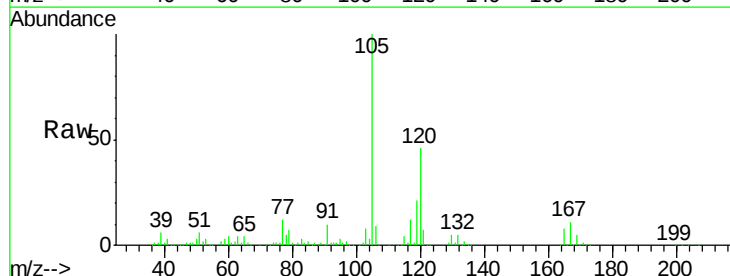
RT: 13.04 min Scan# 3504

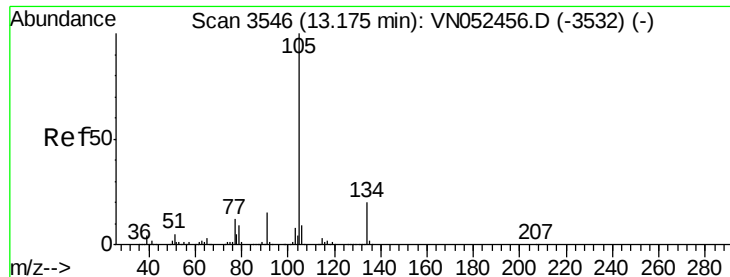
Delta R.T. -0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	105	Resp:	834613
Ion Ratio	Lower	Upper	
105	100		
120	45.6	0.0	91.0





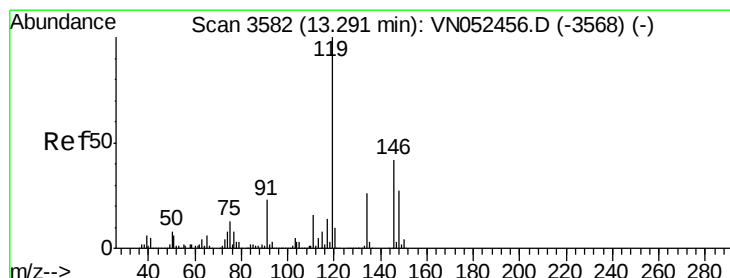
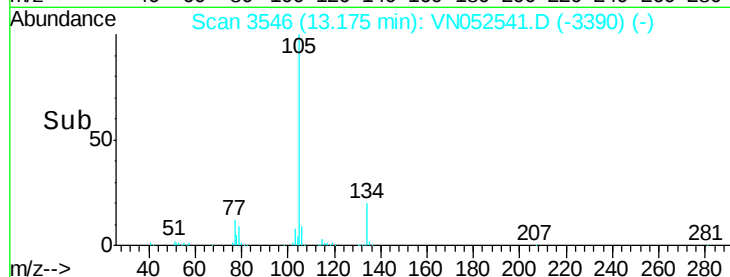
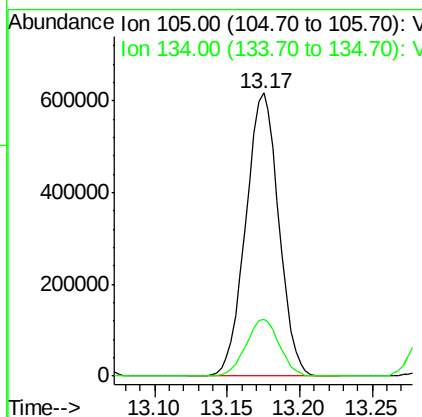
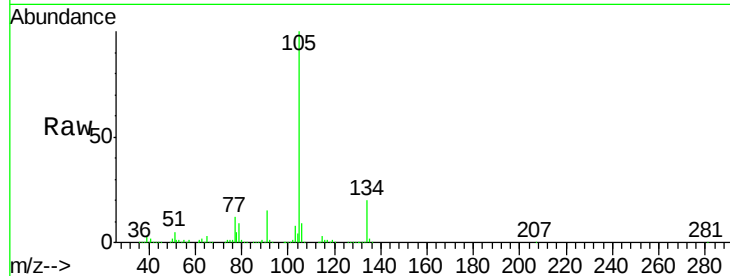
#81
 sec-Butylbenzene
 Concen: 19.271 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	40.4

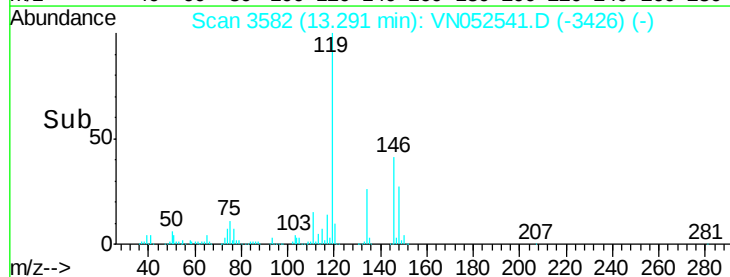
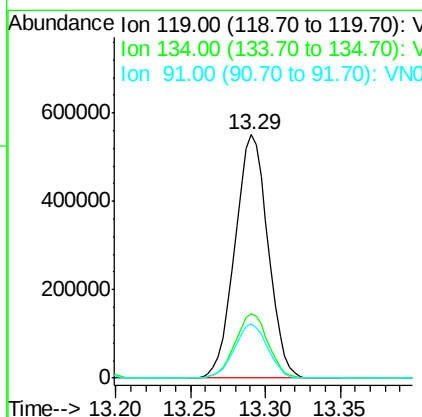
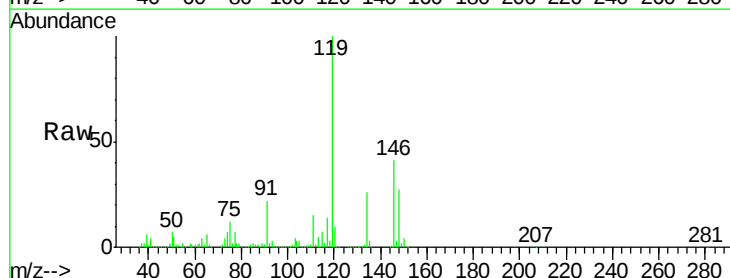
Manual Integrations
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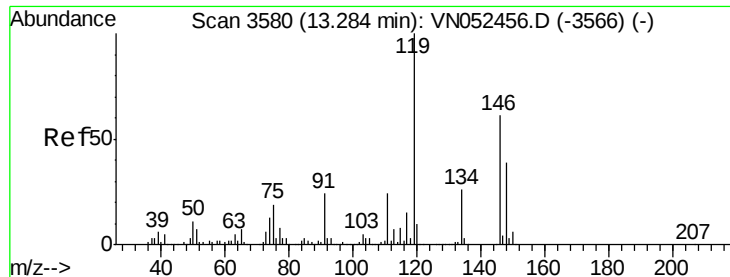
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 11/29/2018 9:33:01 AM



#82
 p-Isopropyltoluene
 Concen: 19.594 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	0.0	52.6
91	22.4	0.0	46.2





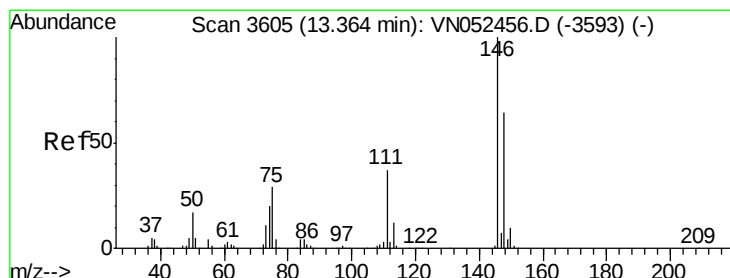
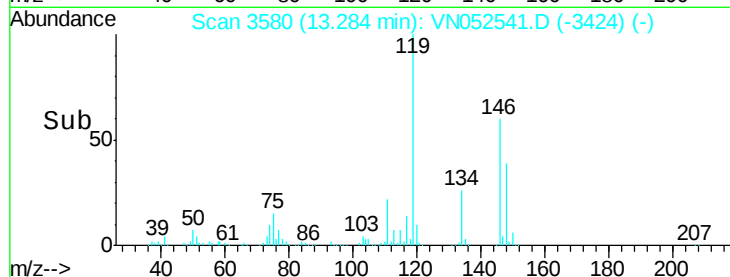
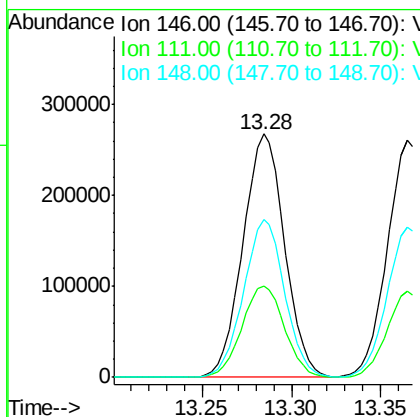
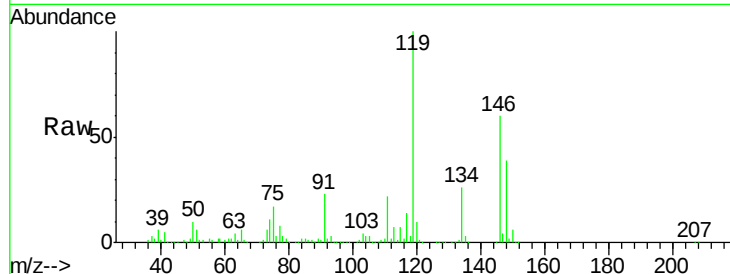
#83
 1,3-Dichlorobenzene
 Concen: 19.829 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.7	59.0
148	63.8	32.3	96.8

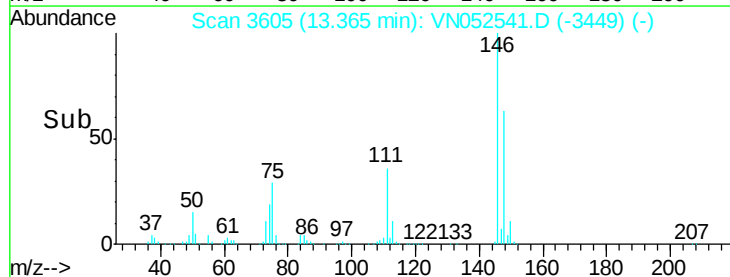
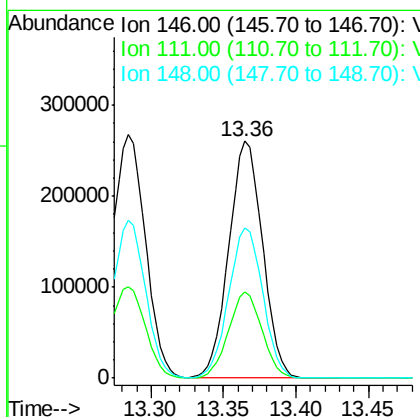
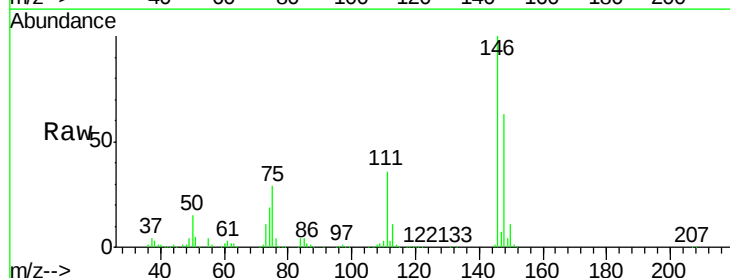
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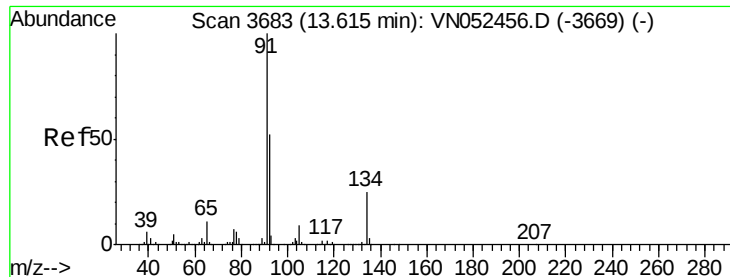
MMDadoda
 11/29/2018 9:33:01 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.754 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.8	56.3
148	64.1	32.5	97.4





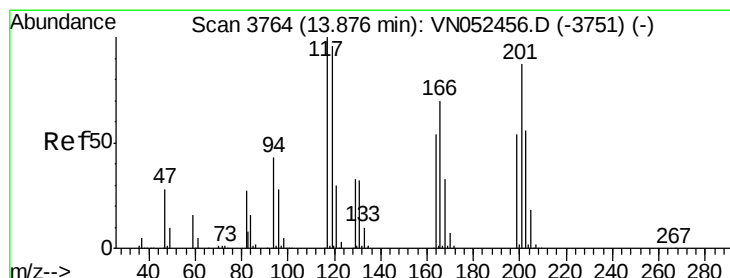
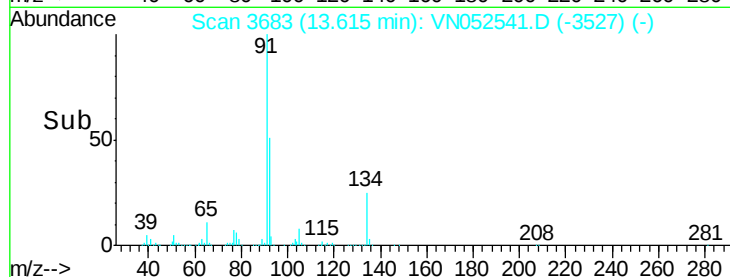
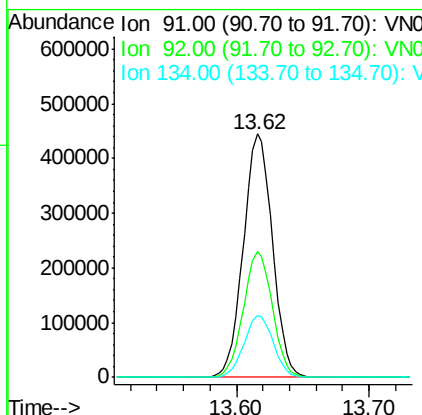
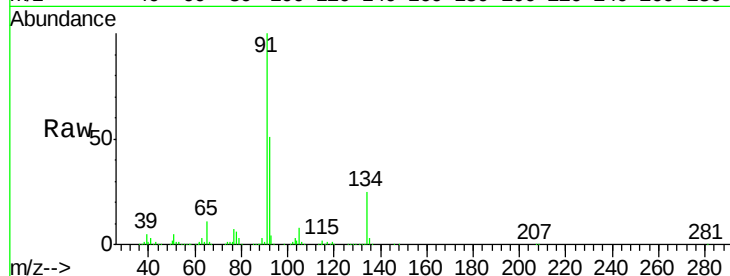
#85
n-Butylbenzene
Concen: 18.204 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Instrument :
MSVOA_N
ClientSampleId :
VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	104.2
134	25.7	0.0	50.6

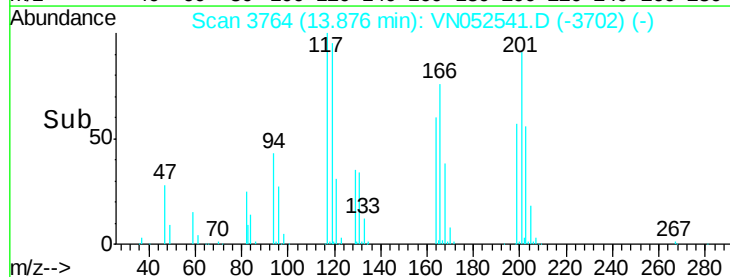
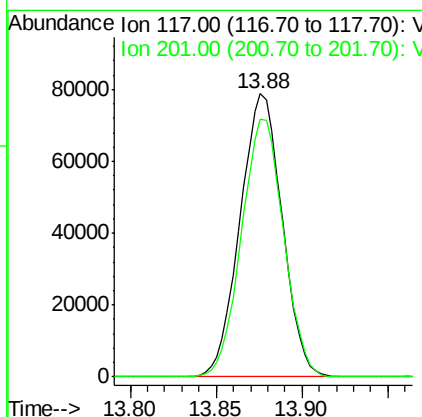
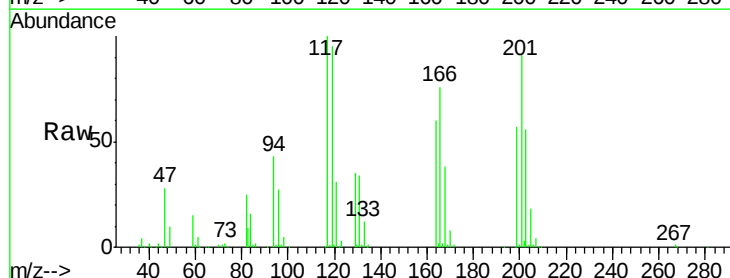
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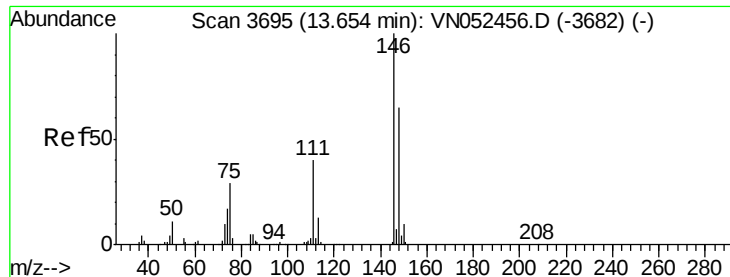
MMDadoda
11/29/2018 9:33:01 AM



#86
Hexachloroethane
Concen: 18.309 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052541.D
Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.8	43.8	131.3





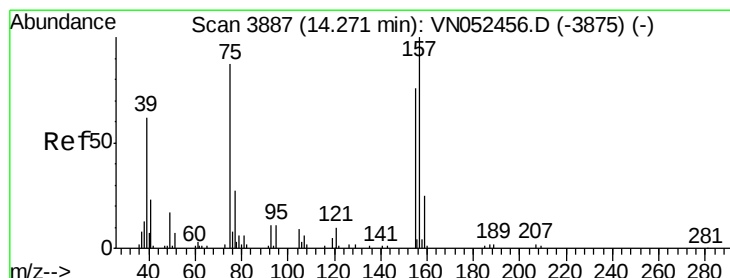
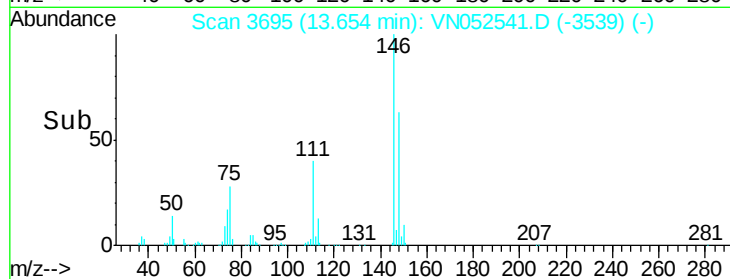
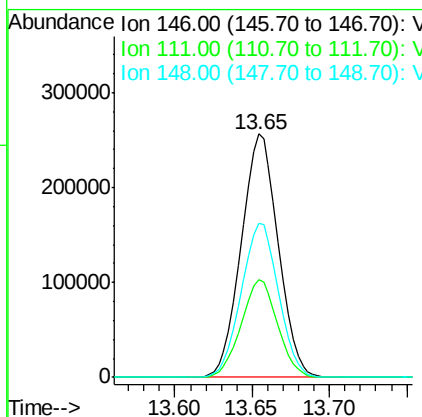
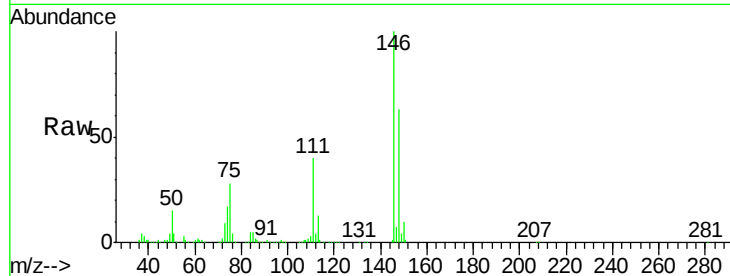
#87
 1,2-Dichlorobenzene
 Concen: 20.366 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	63.8	32.1	96.5

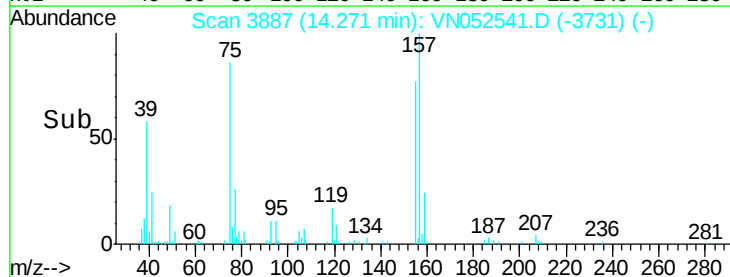
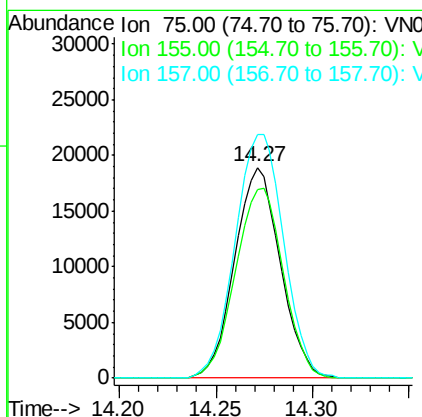
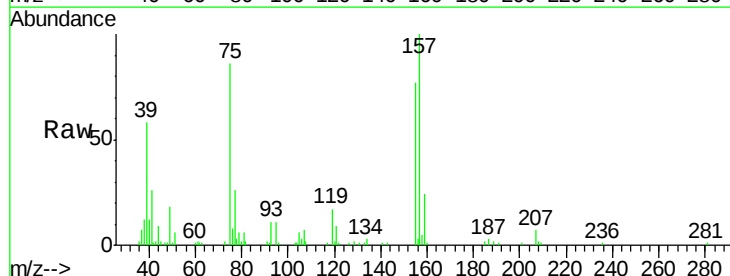
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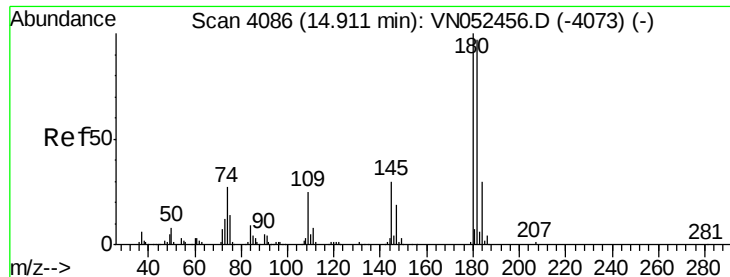
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 11/29/2018 9:33:01 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.738 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.0	72.2	108.2
157	122.9	94.2	141.2





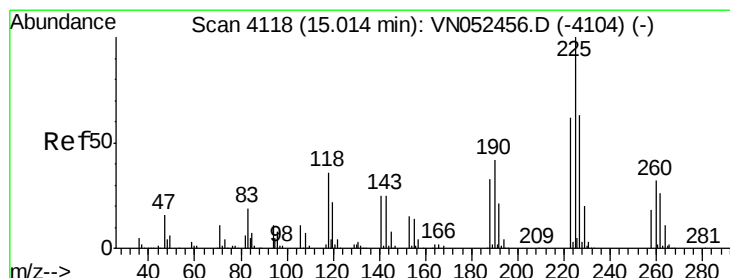
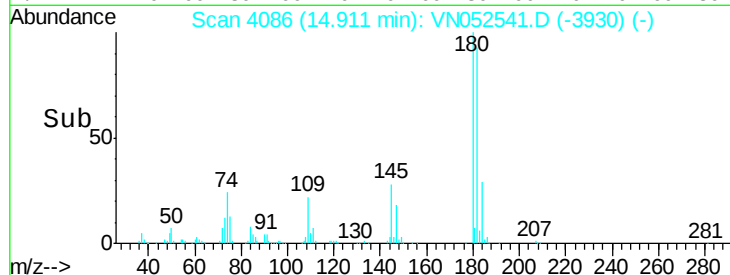
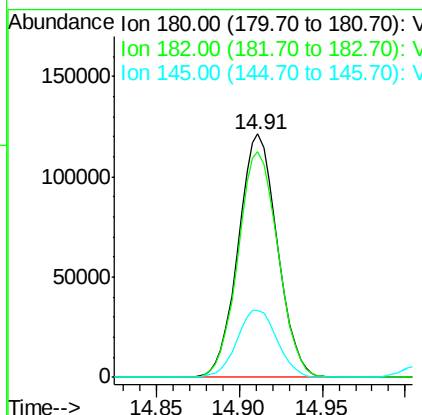
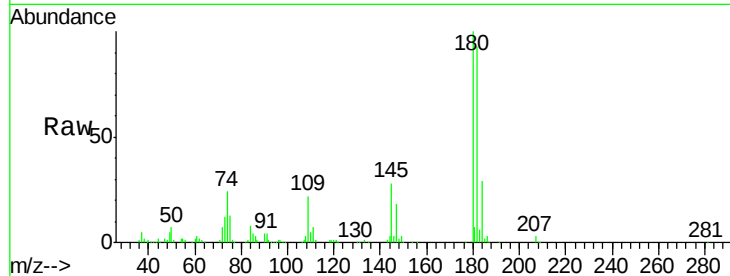
#89
 1,2,4-Trichlorobenzene
 Concen: 19.226 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1128WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198383		
182	94.8	76.6	114.8	
145	28.5	23.6	35.4	

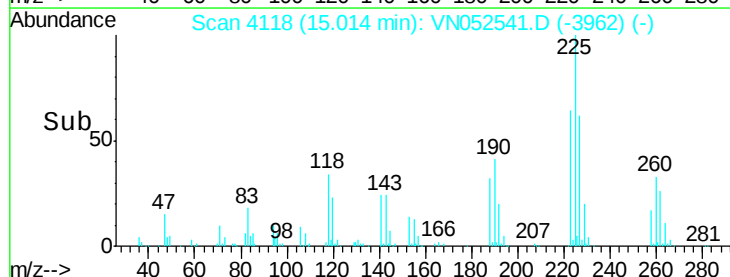
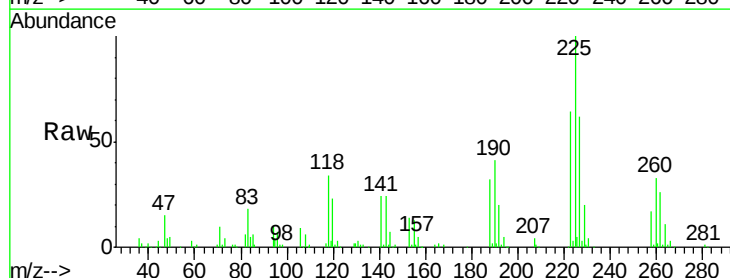
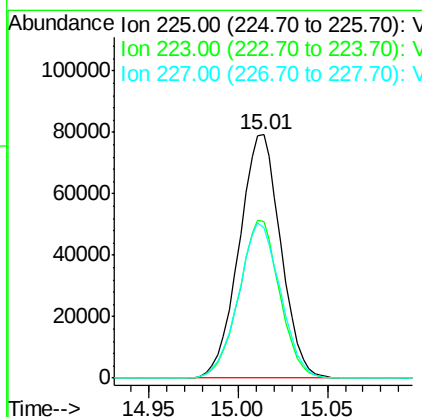
Manual Integrations
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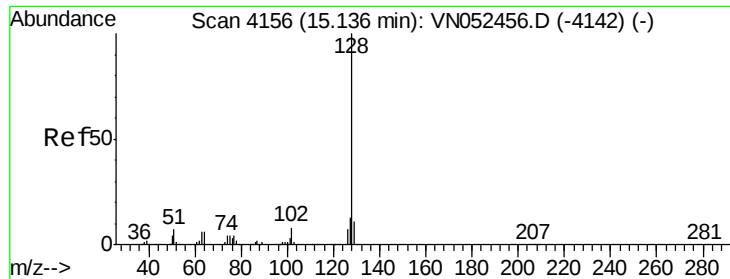
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 11/29/2018 9:33:01 AM



#90
 Hexachlorobutadiene
 Concen: 19.124 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN052541.D
 Acq: 29 Nov 2018 1:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	129451		
223	63.0	0.0	125.6	
227	63.9	0.0	127.8	





#91

Naphthalene

Concen: 19.973 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Instrument :

MSVOA_N

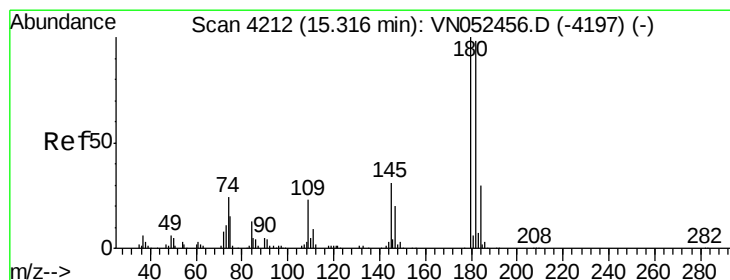
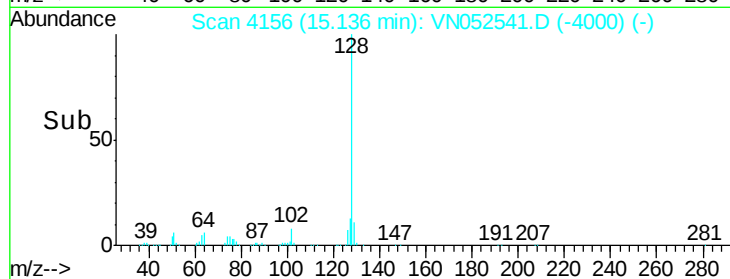
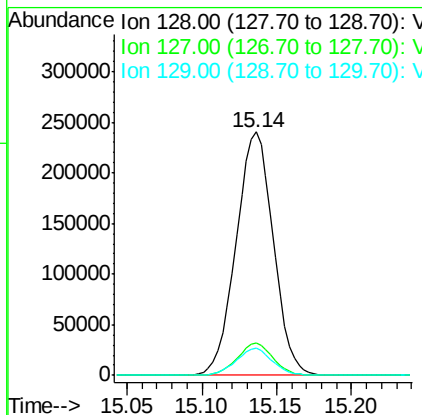
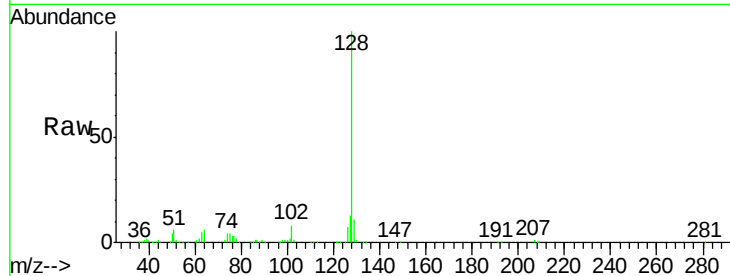
ClientSampleId :

VN1128WBSD02

Tot Ion:	128	Resp:	416182
Ion Ratio	Lower	Upper	
128	100		
127	12.6	9.9	14.9
129	10.8	8.5	12.7

Manual Integrations
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#92

1,2,3-Trichlorobenzene

Concen: 19.937 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052541.D

Acq: 29 Nov 2018 1:40

Tgt Ion:	180	Resp:	189589
Ion Ratio	Lower	Upper	
180	100		
182	95.3	0.0	196.2
145	30.3	0.0	62.2

