

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012319\
 Data File : VN053529.D
 Acq On : 23 Jan 2019 11:23
 Operator : JC/SP
 Sample : VN0123WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:53:28 AM

Quant Time: Jan 24 01:50:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	726399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1091798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	985617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	482648	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	358299	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
35) Dibromofluoromethane	7.59	113	325727	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	10.09	98	1272827	48.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.60%	
62) 4-Bromofluorobenzene	12.40	95	445279	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	107707	18.442	ug/l 99
3) Chloromethane	2.06	50	149181	17.866	ug/l 99
4) Vinyl Chloride	2.19	62	148337	18.429	ug/l 100
5) Bromomethane	2.57	94	104121	18.853	ug/l 97
6) Chloroethane	2.71	64	89509	18.393	ug/l 98
7) Trichlorofluoromethane	3.02	101	204999	19.471	ug/l 99
8) Diethyl Ether	3.41	74	78867	19.945	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	130516	19.574	ug/l 97
10) Methyl Iodide	3.96	142	189628	18.611	ug/l 100
11) Tert butyl alcohol	4.77	59	48733	138.714	ug/l 99
12) 1,1-Dichloroethene	3.74	96	124034	19.179	ug/l 96
13) Acrolein	3.61	56	75270	122.549	ug/l 99
14) Allyl chloride	4.33	41	192921	18.365	ug/l 95
15) Acrylonitrile	4.99	53	257178	111.233	ug/l 99
16) Acetone	3.81	43	204926	121.654	ug/l 100
17) Carbon Disulfide	4.06	76	344729	17.627	ug/l 98
18) Methyl Acetate	4.33	43	126818	22.345	ug/l 98
19) Methyl tert-butyl Ether	5.05	73	359838	20.941	ug/l 100
20) Methylene Chloride	4.55	84	148154	19.264	ug/l 98
21) trans-1,2-Dichloroethene	5.05	96	135905	19.656	ug/l 97
22) Diisopropyl ether	5.95	45	450308	20.534	ug/l 95
23) Vinyl Acetate	5.90	43	1420807	105.396	ug/l 99
24) 1,1-Dichloroethane	5.85	63	257767	19.883	ug/l 100
25) 2-Butanone	6.83	43	299153	115.244	ug/l 99
26) 2,2-Dichloropropane	6.83	77	194856	19.907	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	157863	19.966	ug/l 100
28) Bromochloromethane	7.19	49	112447	19.689	ug/l 100
29) Tetrahydrofuran	7.21	42	192426	113.869	ug/l 100
30) Chloroform	7.37	83	258419	20.459	ug/l 97
31) Cyclohexane	7.66	56	235161	18.498	ug/l 95
32) 1,1,1-Trichloroethane	7.57	97	214348	20.005	ug/l 99
36) 1,1-Dichloropropene	7.79	75	191889	19.299	ug/l 100
37) Ethyl Acetate	6.93	43	125073	21.864	ug/l 99
38) Carbon Tetrachloride	7.77	117	183093	19.450	ug/l 100

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226595	18.438	ug/l	98
40) Benzene	8.04	78	599590	19.844	ug/l	100
41) Methacrylonitrile	7.18	41	78316	23.399	ug/l #	93
42) 1,2-Dichloroethane	8.13	62	180820	20.542	ug/l	100
43) Isopropyl Acetate	8.16	43	220824	21.468	ug/l	100
44) Trichloroethene	8.83	130	167938	20.042	ug/l	100
45) 1,2-Dichloropropane	9.12	63	161082	20.127	ug/l	100
46) Dibromomethane	9.21	93	94668	20.588	ug/l	98
47) Bromodichloromethane	9.40	83	195322	20.199	ug/l	98
48) Methyl methacrylate	9.20	41	111012	20.902	ug/l	99
49) 1,4-Dioxane	9.20	88	29069	560.431	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	635603	113.193	ug/l	99
52) Toluene	10.16	92	371303	19.794	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	198555	20.258	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	231313	20.132	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	137268	21.225	ug/l	99
56) Ethyl methacrylate	10.43	69	176156	20.461	ug/l	98
57) 1,3-Dichloropropane	10.71	76	232784	20.807	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	454497	100.455	ug/l	100
59) 2-Hexanone	10.75	43	446837	113.358	ug/l	98
60) Dibromochloromethane	10.90	129	151812	20.696	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137261	20.986	ug/l	98
64) Tetrachloroethene	10.63	164	184637	19.878	ug/l	99
65) Chlorobenzene	11.43	112	412233	19.760	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148993	20.529	ug/l	99
67) Ethyl Benzene	11.51	91	693460	19.504	ug/l	99
68) m/p-Xylenes	11.62	106	537150	40.015	ug/l	100
69) o-Xylene	11.95	106	262409	20.118	ug/l	100
70) Styrene	11.96	104	433641	20.484	ug/l	100
71) Bromoform	12.13	173	107231	21.461	ug/l #	98
73) Isopropylbenzene	12.25	105	697161	19.725	ug/l	100
74) N-amyl acetate	12.07	43	196392	20.844	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	159464	21.512	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	141352m	22.224	ug/l	
77) Bromobenzene	12.53	156	184087	19.766	ug/l	99
78) n-propylbenzene	12.59	91	804911	19.839	ug/l	99
79) 2-Chlorotoluene	12.67	91	477693	19.864	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	576759	20.056	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47752	20.571	ug/l	97
82) 4-Chlorotoluene	12.77	91	484477	19.755	ug/l	100
83) tert-Butylbenzene	12.99	119	512319	20.171	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	590196	20.354	ug/l	100
85) sec-Butylbenzene	13.17	105	696151	19.985	ug/l	99
86) p-Isopropyltoluene	13.29	119	610095	20.171	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	325466	19.867	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	322828	19.645	ug/l	100
89) n-Butylbenzene	13.62	91	490006	19.006	ug/l	100
90) Hexachloroethane	13.88	117	93592	19.730	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	317236	21.048	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23644	25.156	ug/l	97

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Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	144069	23.232	ug/l	100
94) Hexachlorobutadiene	15.01	225	107016	22.761	ug/l	99
95) Naphthalene	15.13	128	254878	24.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	110062	24.756	ug/l	99

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

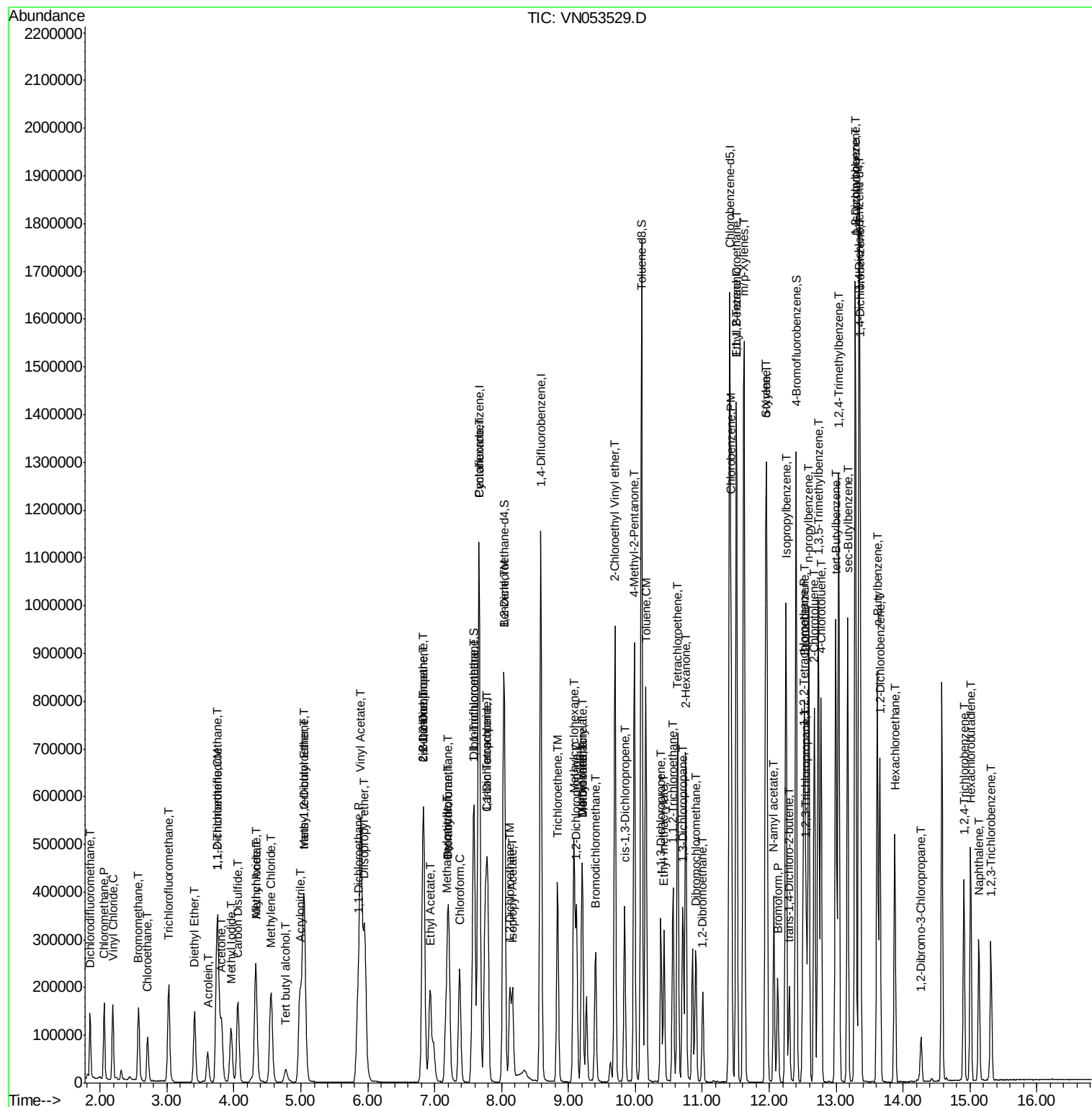
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012319\
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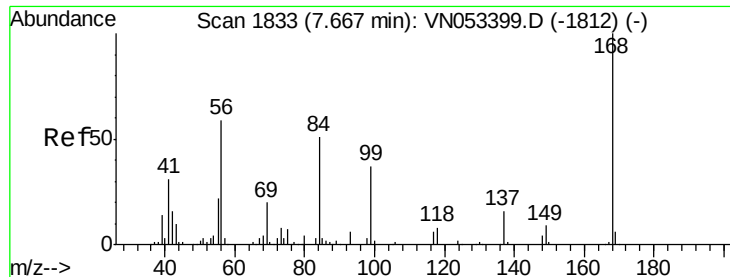
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0123WBS01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion:168 Resp: 726399

Ion Ratio Lower Upper

168 100

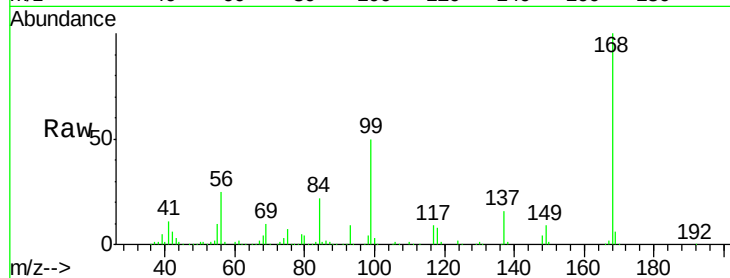
99 49.6 39.1 58.7

Manual Integrations

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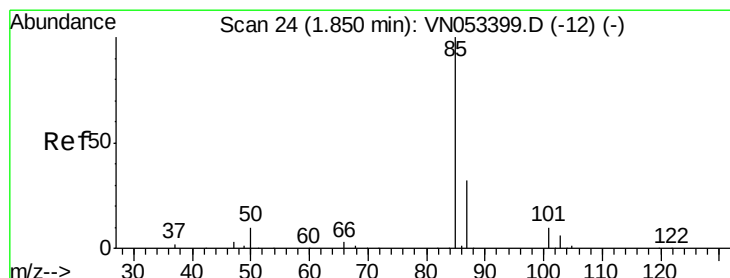
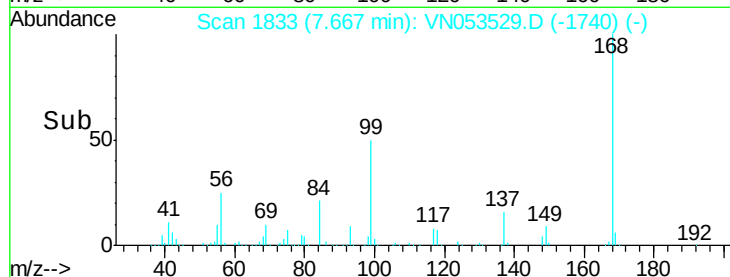
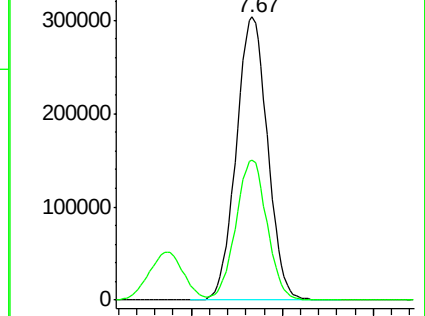
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1/24/2019 11:53:28 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.442 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053529.D

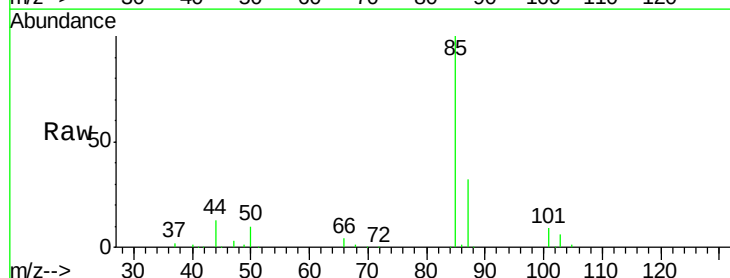
Acq: 23 Jan 2019 11:23

Tgt Ion: 85 Resp: 107707

Ion Ratio Lower Upper

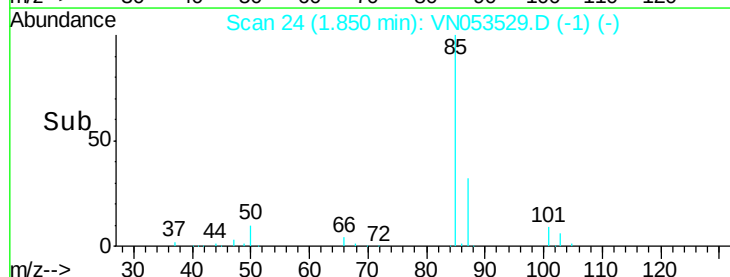
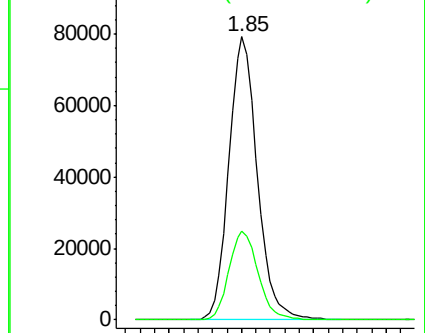
85 100

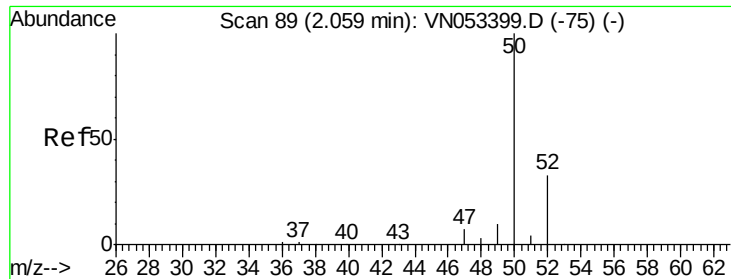
87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.866 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0123WBS01

Tot Ion: 50 Resp: 149181

Ion Ratio Lower Upper

50 100

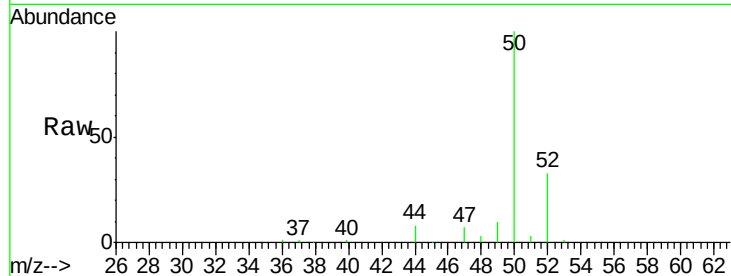
52 32.8 26.6 40.0

Manual Integrations

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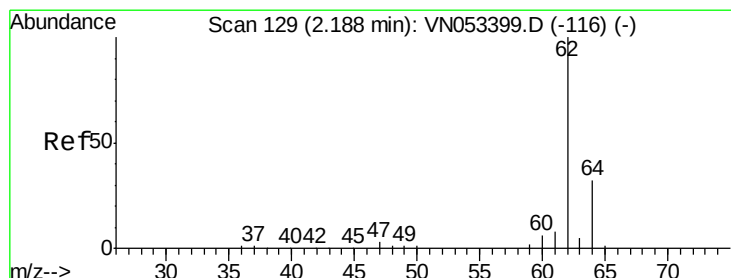
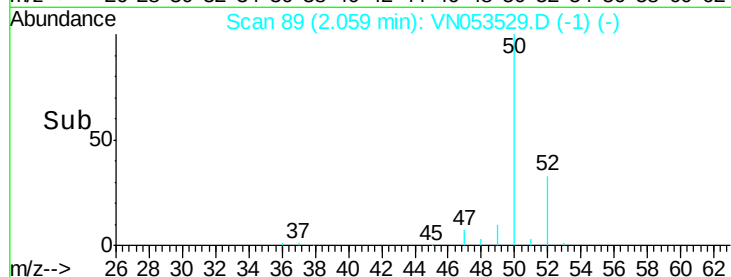
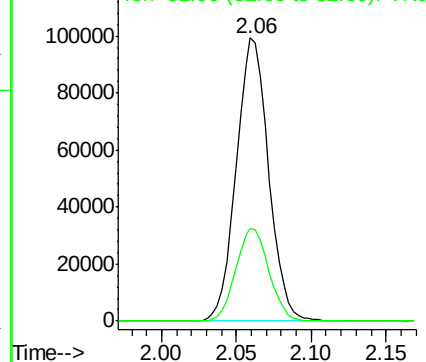
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.429 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053529.D

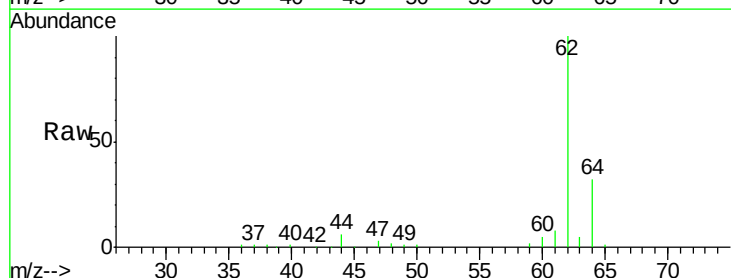
Acq: 23 Jan 2019 11:23

Tgt Ion: 62 Resp: 148337

Ion Ratio Lower Upper

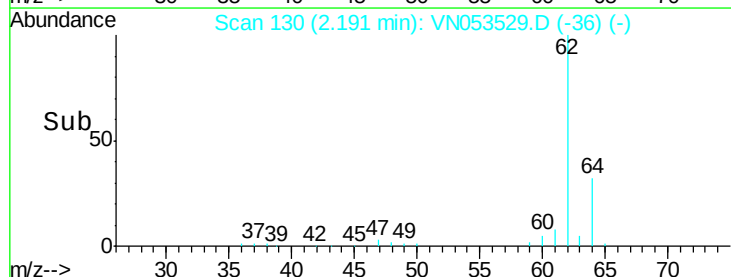
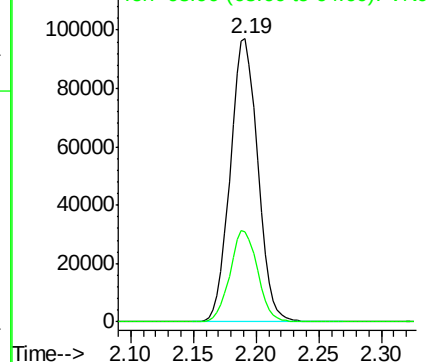
62 100

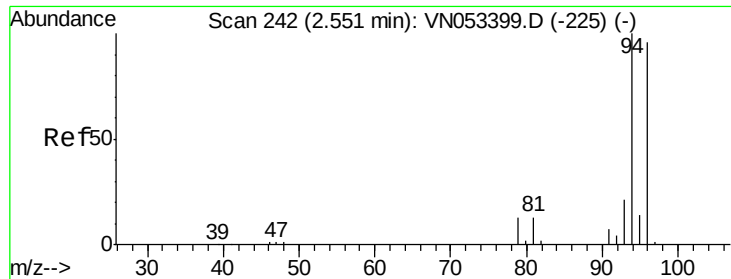
64 31.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 18.853 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

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VN0123WBS01

Tot Ion: 94 Resp: 104121

Ion Ratio Lower Upper

94 100

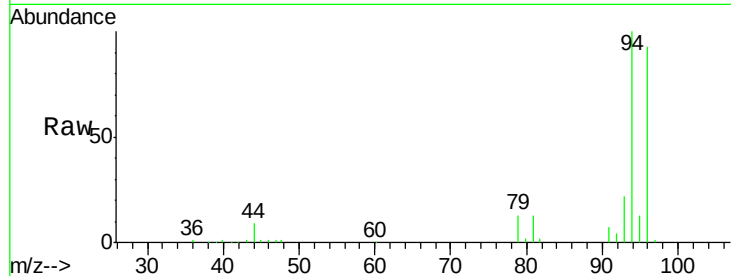
96 92.7 76.8 115.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

60000

50000

40000

30000

20000

10000

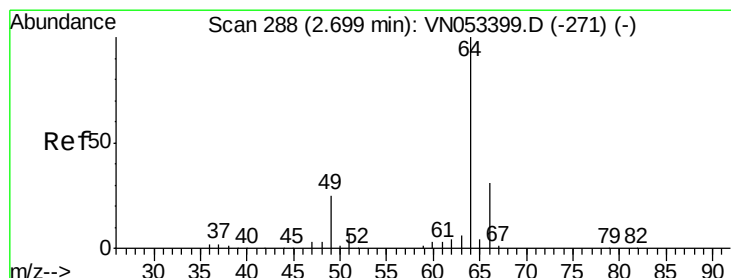
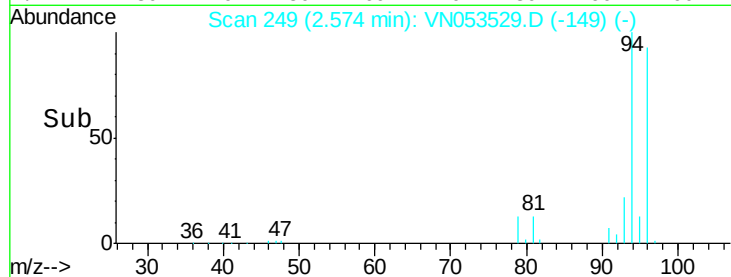
0

Time-->

2.50

2.60

2.70



#6

Chloroethane

Concen: 18.393 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN053529.D

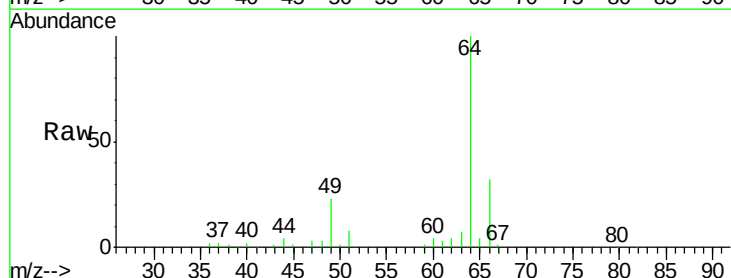
Acq: 23 Jan 2019 11:23

Tgt Ion: 64 Resp: 89509

Ion Ratio Lower Upper

64 100

66 32.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

50000

40000

30000

20000

10000

0

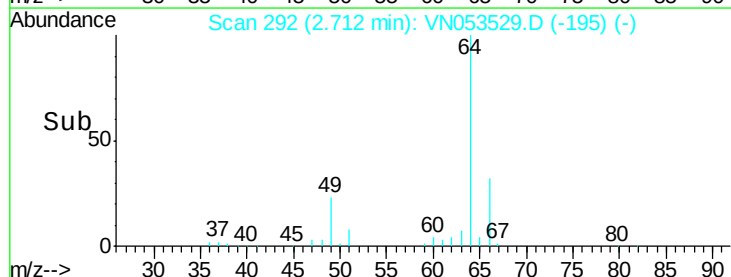
Time-->

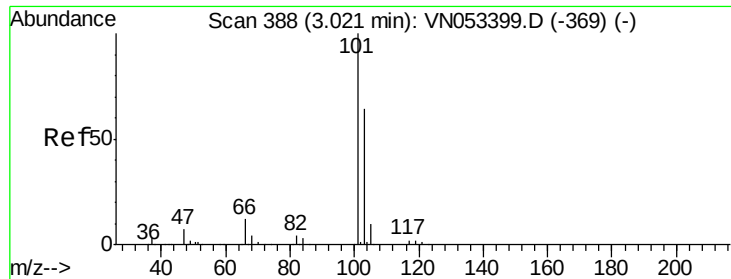
2.65

2.70

2.75

2.80





#7

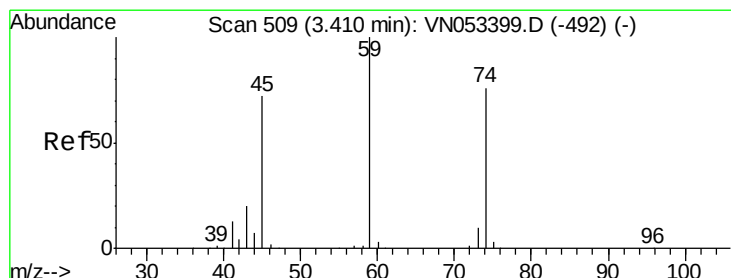
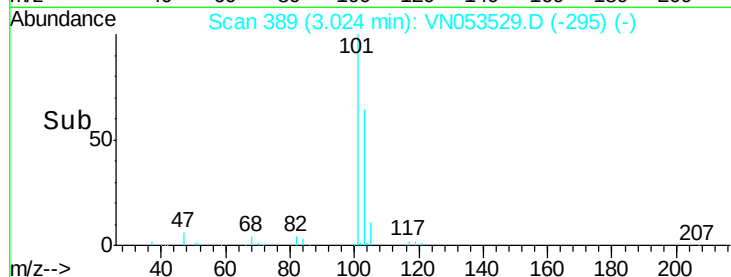
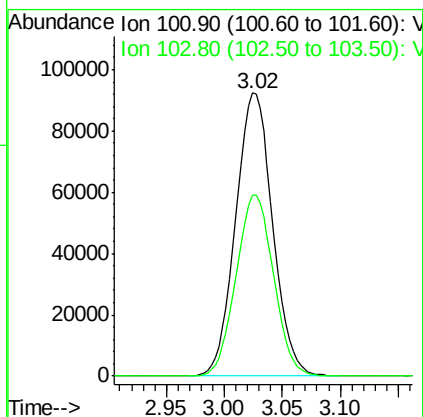
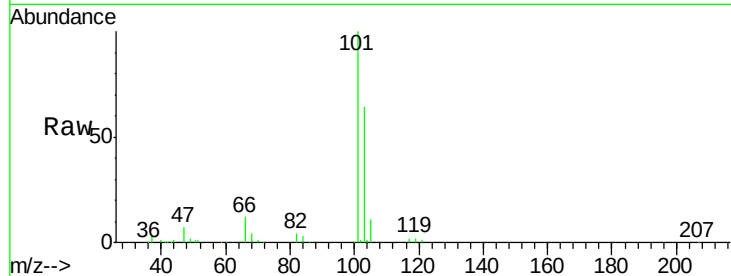
Trichlorofluoromethane
Concen: 19.471 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
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ClientSampled :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.6	77.4

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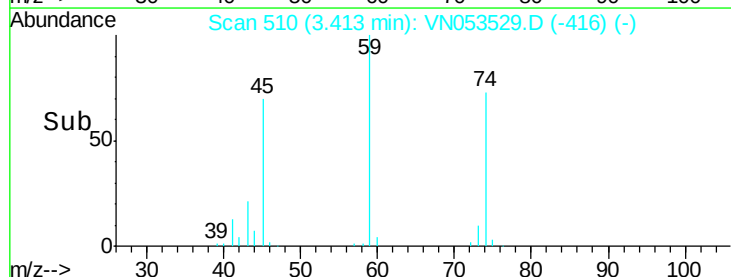
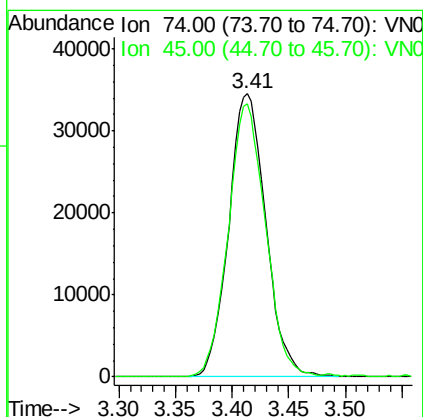
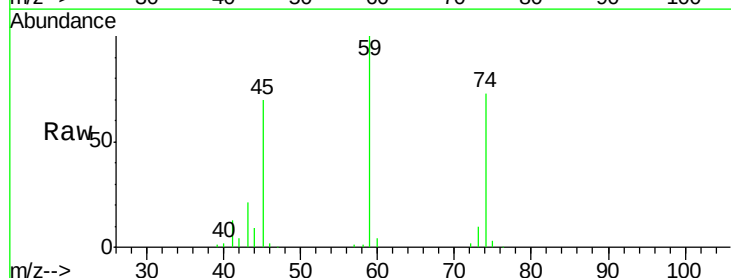
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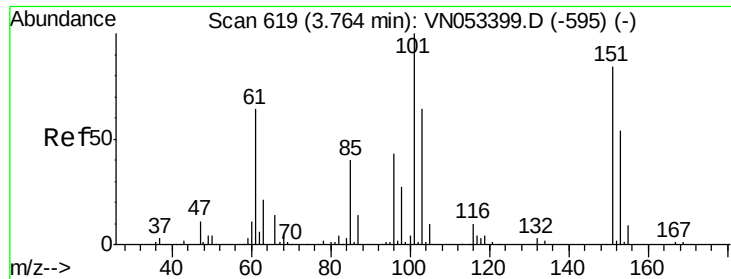


#8

Diethyl Ether
Concen: 19.945 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.574 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

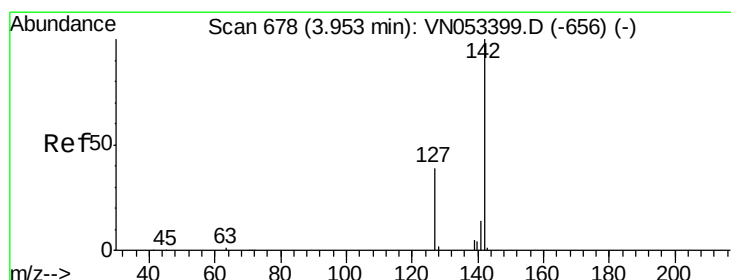
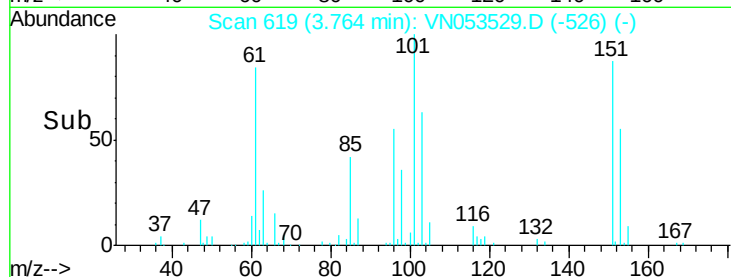
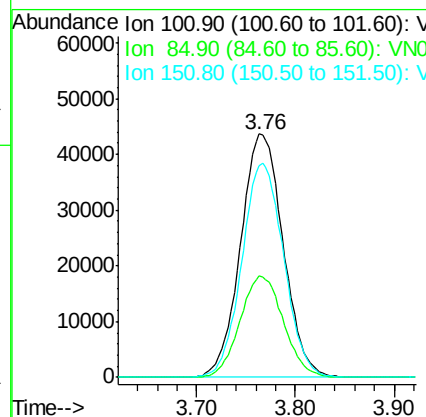
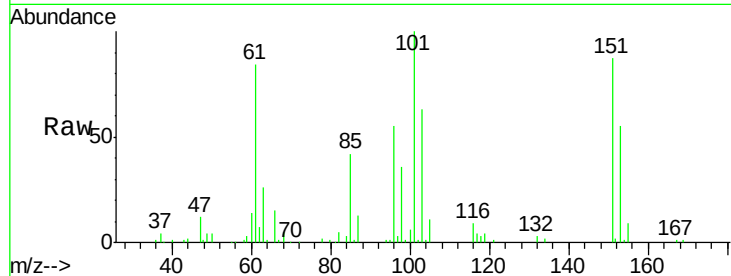
ClientSampleId :

VN0123WBS01

Tot Ion:	101	Resp:	130516
Ion Ratio	Lower	Upper	
101	100		
85	42.3	32.8	49.2
151	86.7	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.611 ug/l

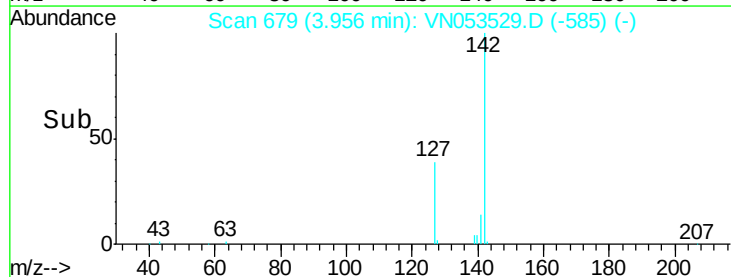
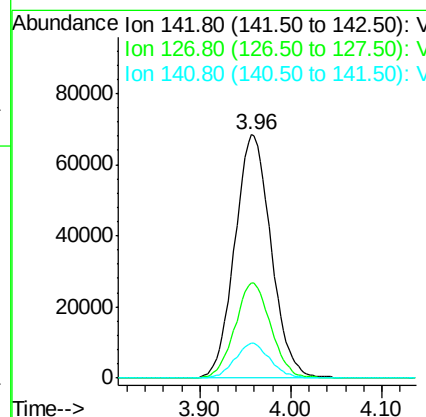
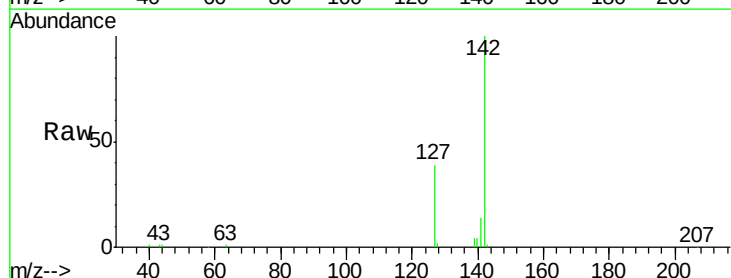
RT: 3.96 min Scan# 679

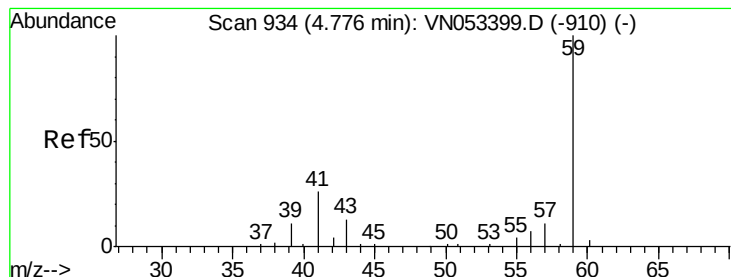
Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	142	Resp:	189628
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	13.7	11.1	16.7





#11

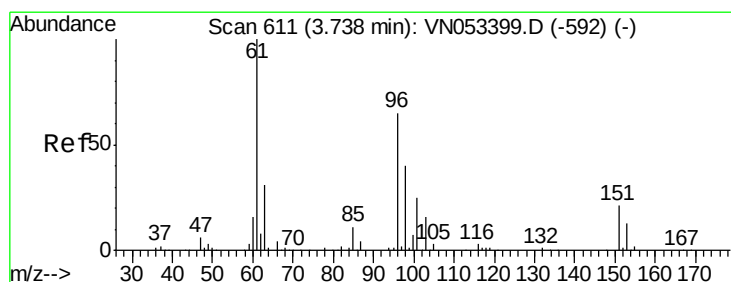
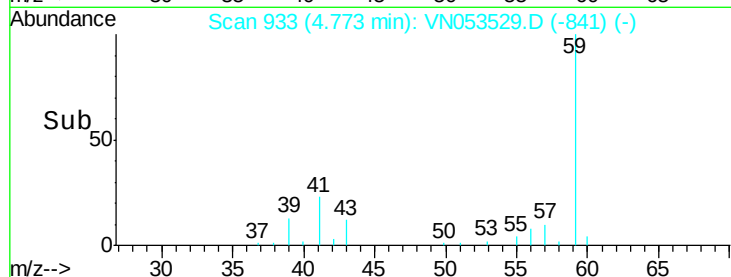
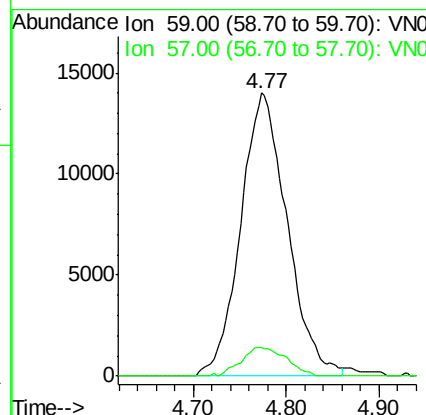
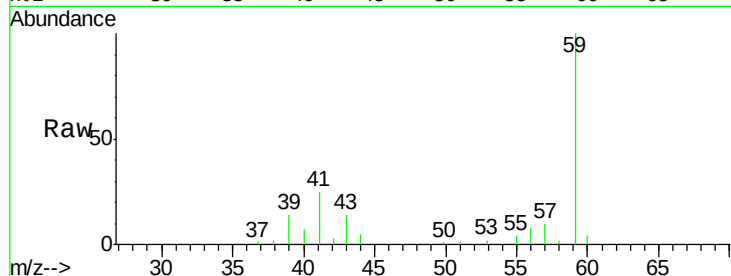
Tert butyl alcohol
Concen: 138.714 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.2	12.4

Manual Integrations
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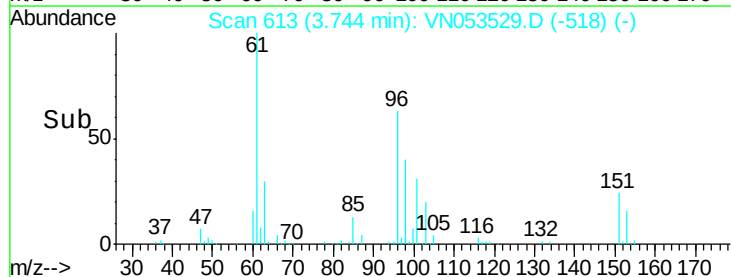
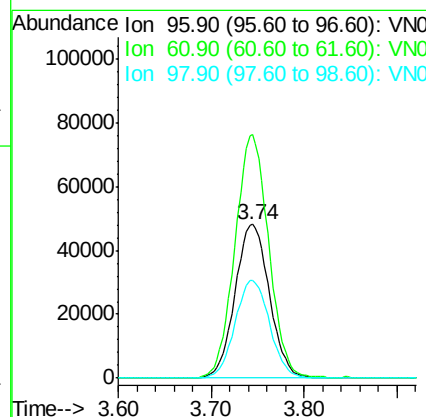
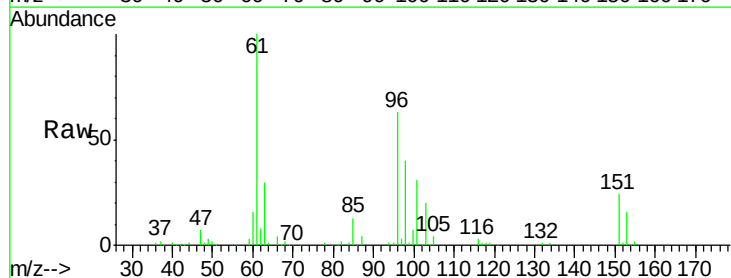
MMDadoda
1/24/2019 11:53:28 AM

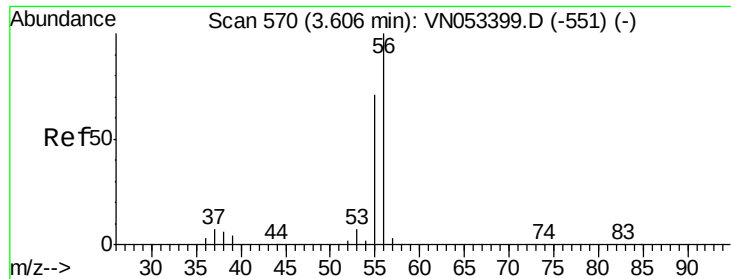


#12

1,1-Dichloroethene
Concen: 19.179 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.5	122.9	184.3
98	63.9	49.4	74.0





#13

Acrolein

Concen: 122.549 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion: 56 Resp: 75270

Ion Ratio Lower Upper

56 100

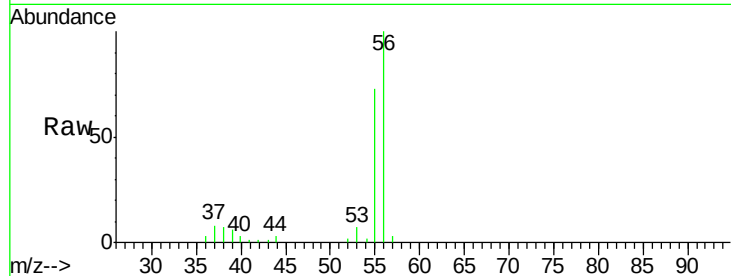
55 71.1 57.4 86.0

Manual Integrations

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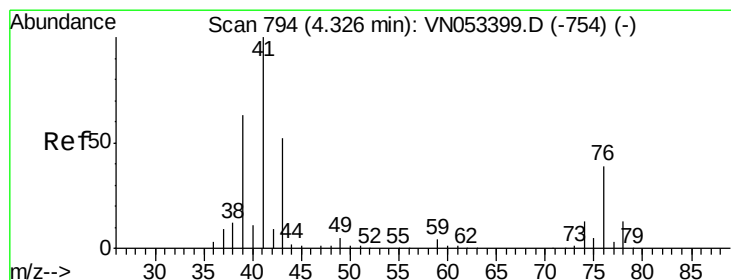
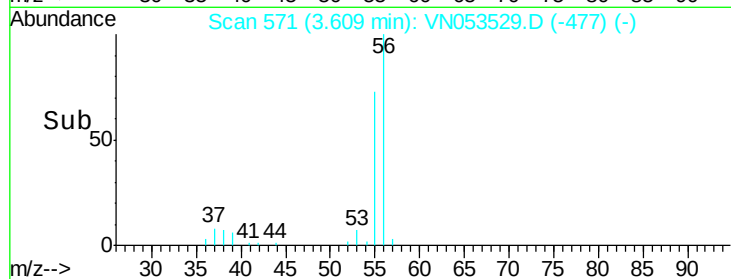
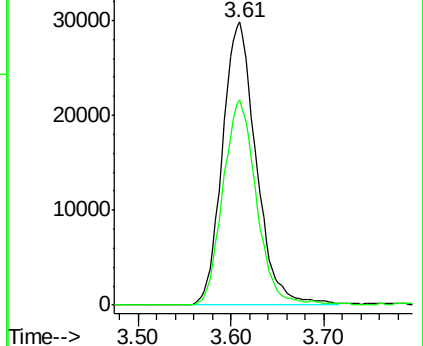
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.365 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

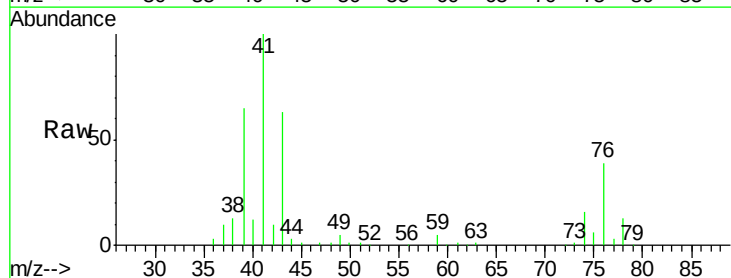
Tgt Ion: 41 Resp: 192921

Ion Ratio Lower Upper

41 100

39 66.2 48.9 73.3

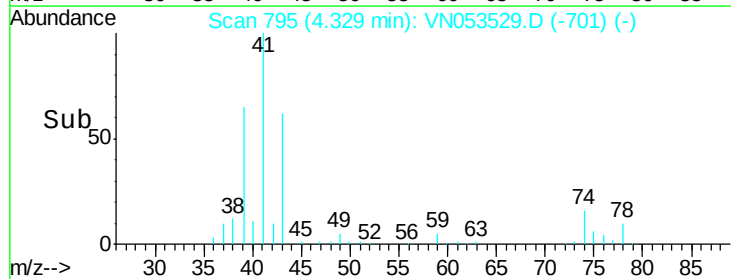
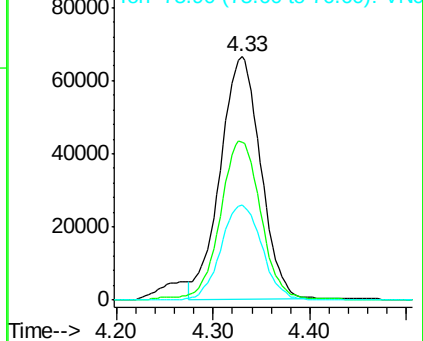
76 38.8 29.4 44.2

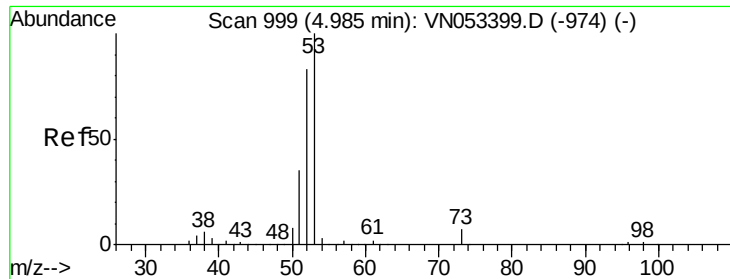


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 111.233 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

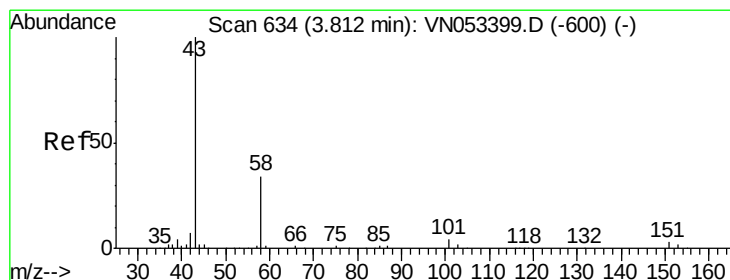
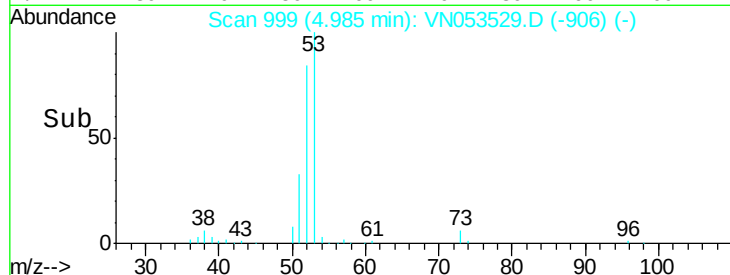
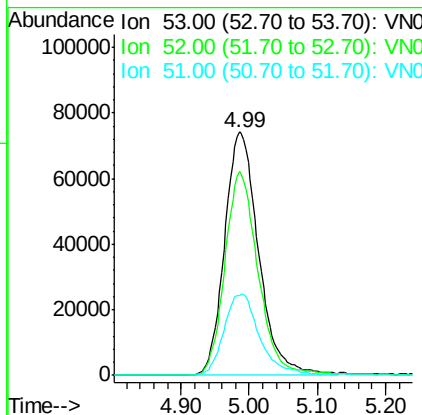
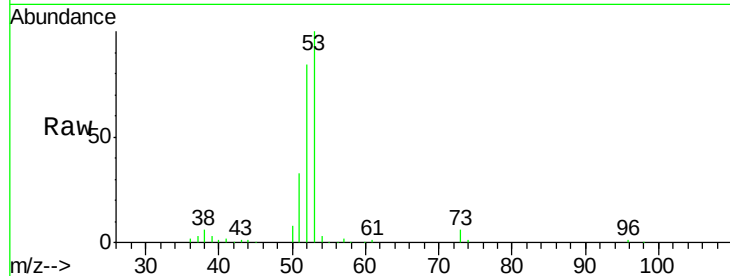
ClientSampleId :

VN0123WBS01

Tot Ion:	53	Resp:	257178
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.0	99.0
51	35.0	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 121.654 ug/l

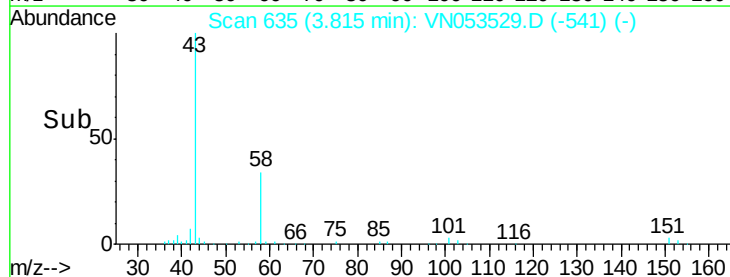
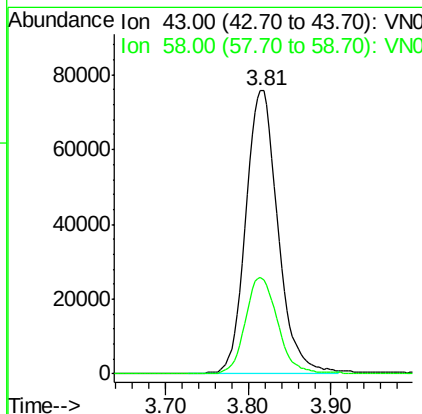
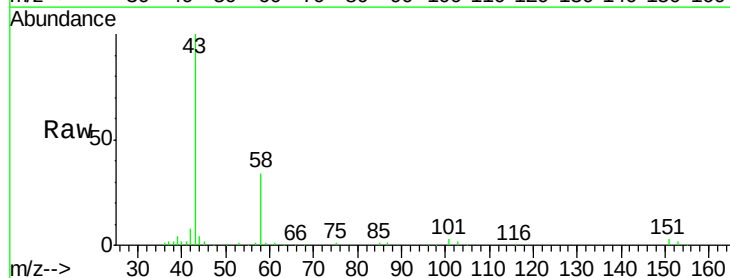
RT: 3.81 min Scan# 635

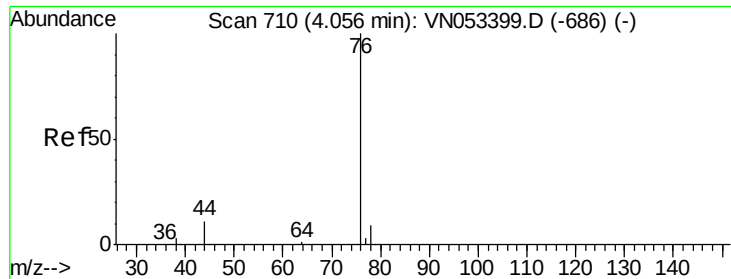
Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	43	Resp:	204926
Ion	Ratio	Lower	Upper
43	100		
58	34.0	27.1	40.7





#17

Carbon Disulfide

Concen: 17.627 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion: 76 Resp: 344729

Ion Ratio Lower Upper

76 100

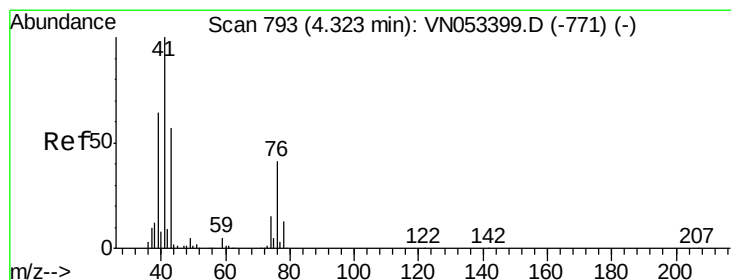
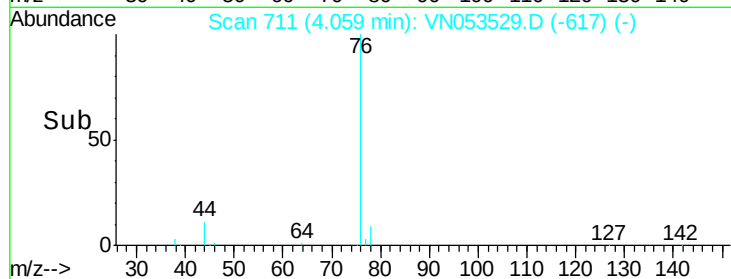
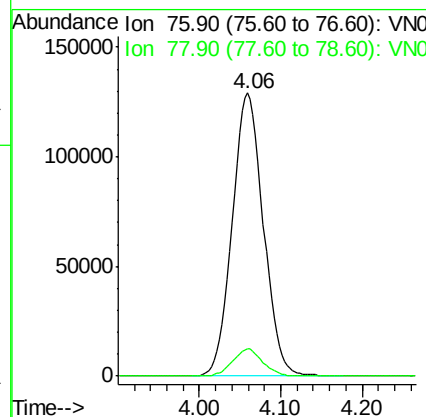
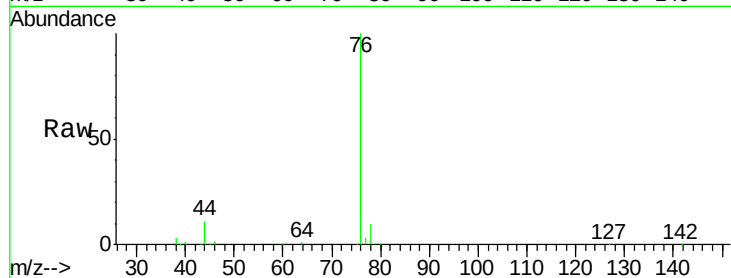
78 9.7 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 22.345 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053529.D

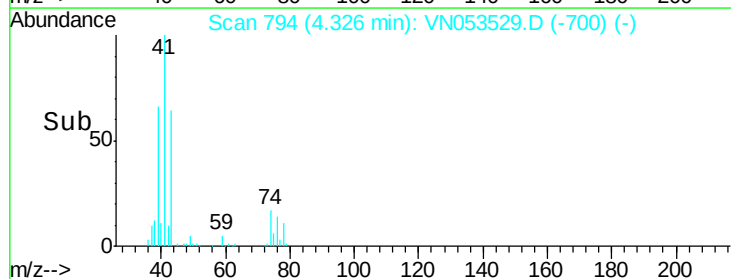
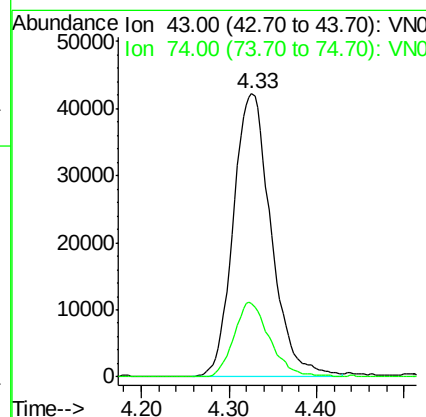
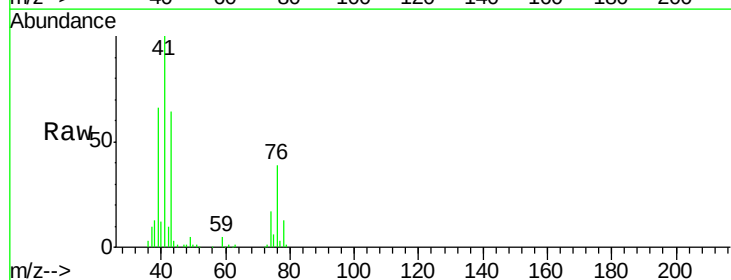
Acq: 23 Jan 2019 11:23

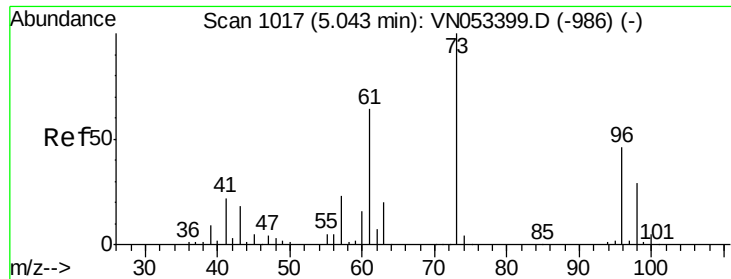
Tgt Ion: 43 Resp: 126818

Ion Ratio Lower Upper

43 100

74 25.1 19.4 29.2





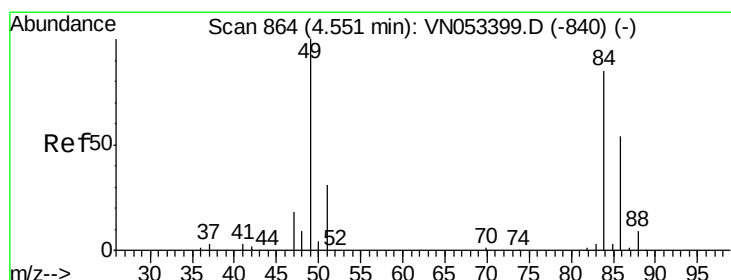
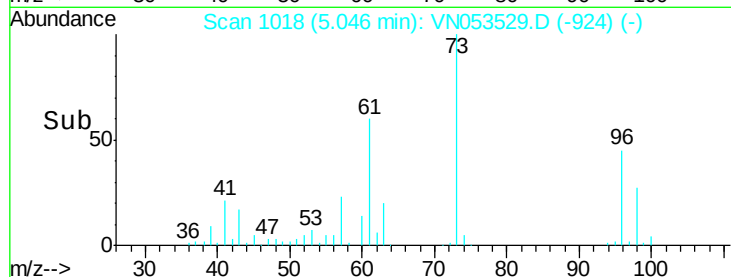
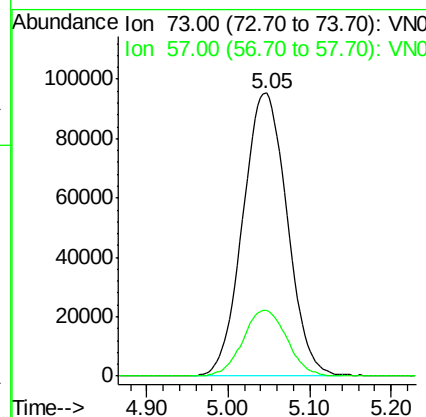
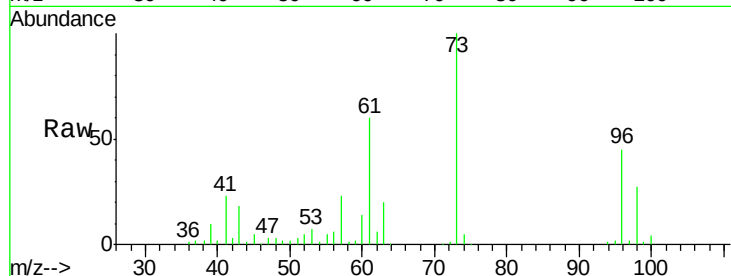
#19
Methyl tert-butyl Ether
Concen: 20.941 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

Tot Ion: 73 Resp: 359838
Ion Ratio Lower Upper
73 100
57 23.1 18.3 27.5

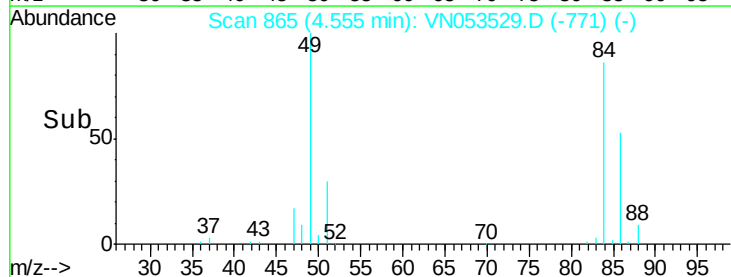
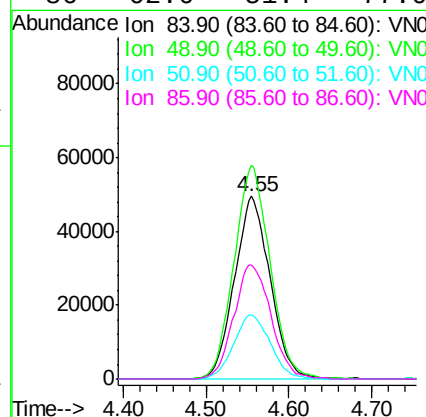
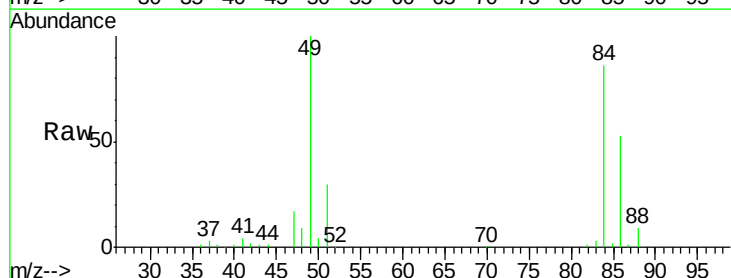
Manual Integrations
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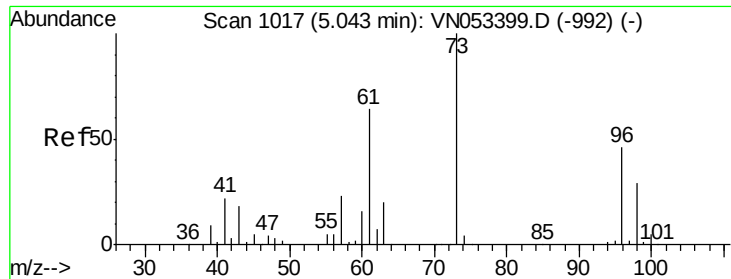
MMDadoda
1/24/2019 11:53:28 AM



#20
Methylene Chloride
Concen: 19.264 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 84 Resp: 148154
Ion Ratio Lower Upper
84 100
49 116.6 94.3 141.5
51 35.2 29.4 44.2
86 62.0 51.4 77.0





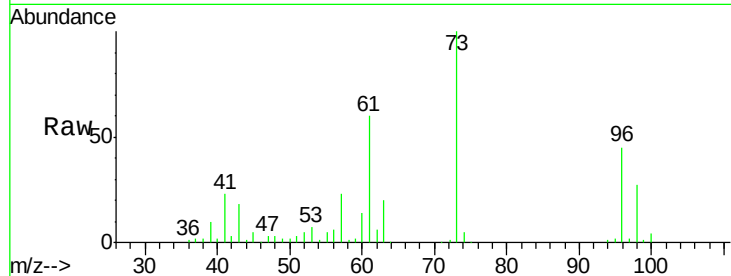
#21
trans-1,2-Dichloroethene
Concen: 19.656 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	110.1	165.1
98	59.5	50.0	75.0

Manual Integrations
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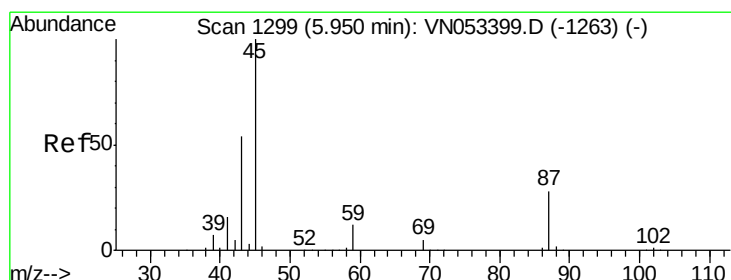
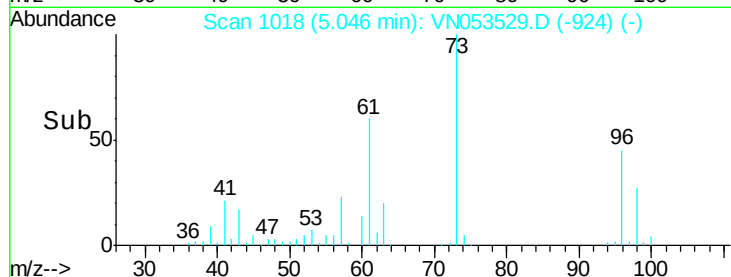
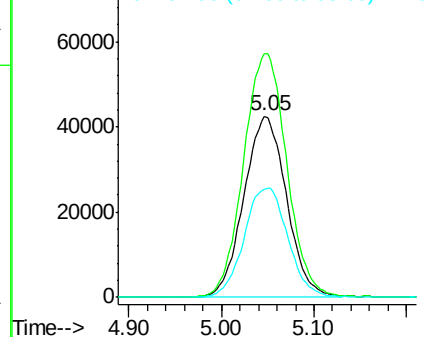


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.534 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.6	44.2	66.4
87	27.6	22.7	34.1
59	11.2	9.4	14.2

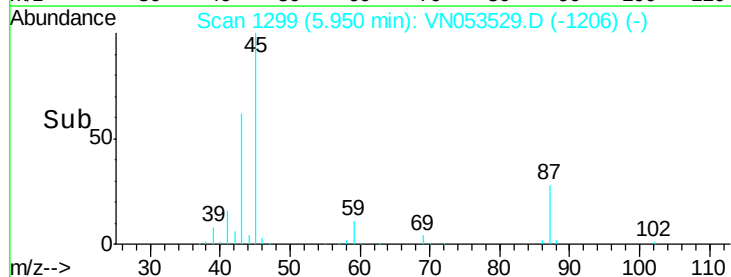
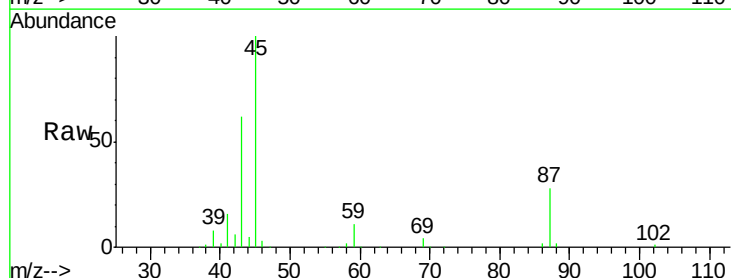
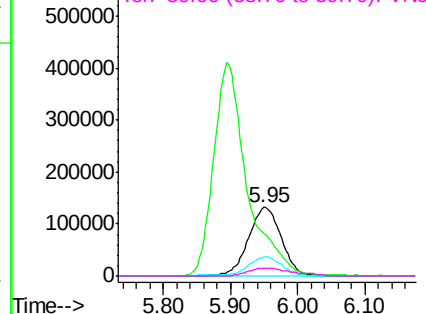
Abundance

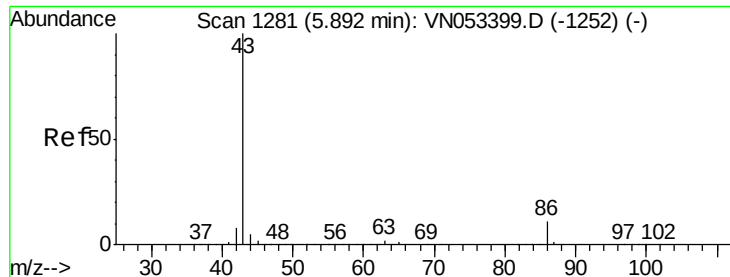
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 105.396 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion: 43 Resp: 1420807

Ion Ratio Lower Upper

43 100

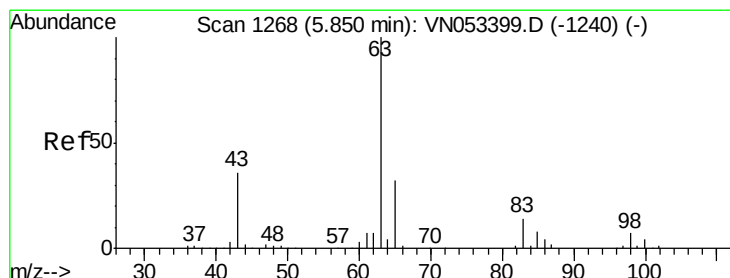
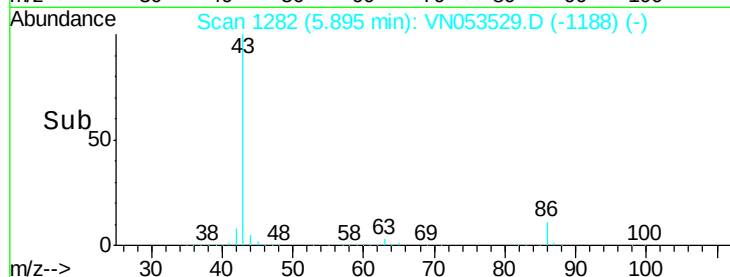
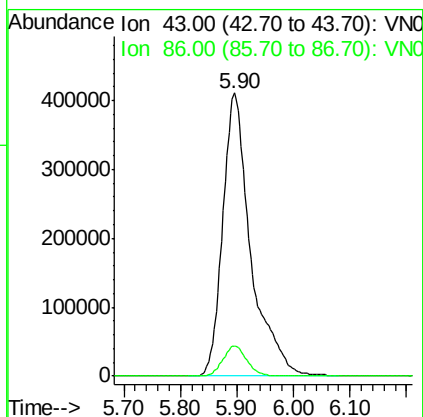
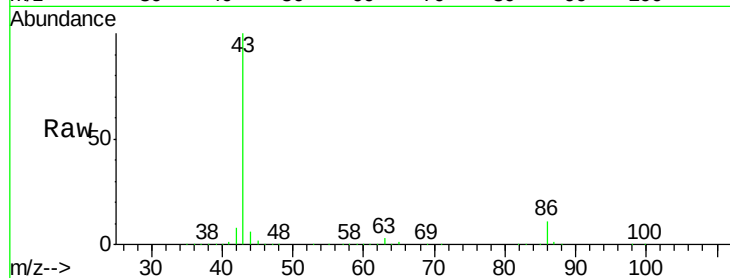
86 10.7 8.4 12.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.883 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

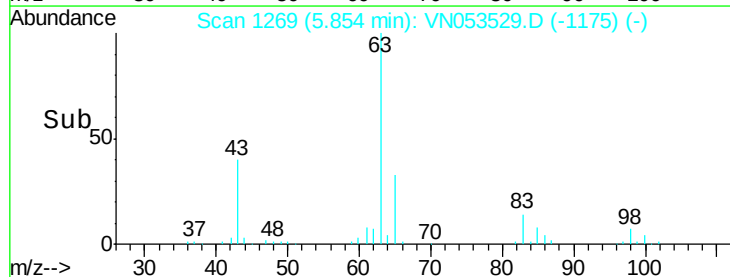
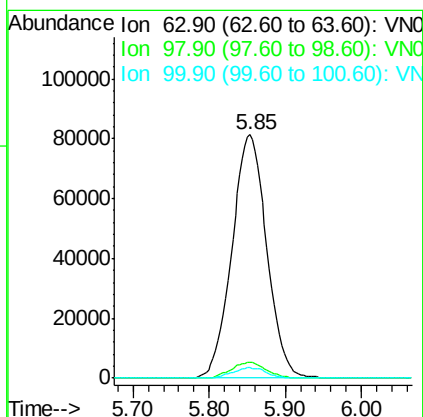
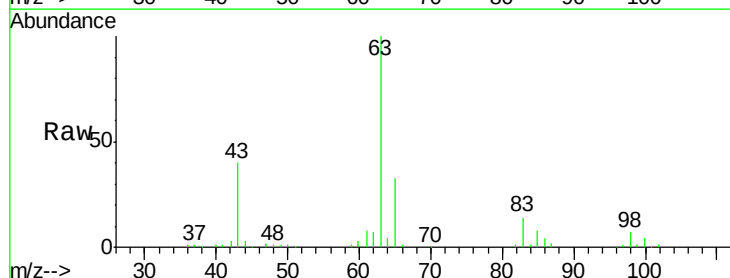
Tgt Ion: 63 Resp: 257767

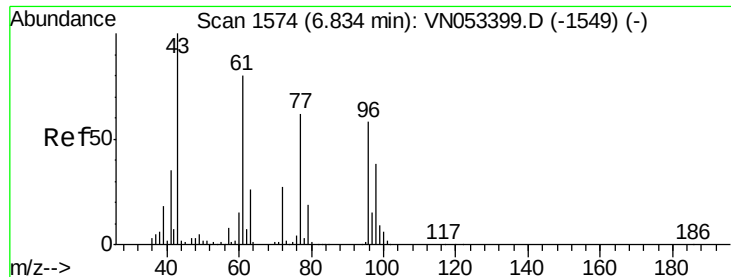
Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 115.244 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion: 43 Resp: 299153

Ion Ratio Lower Upper

43 100

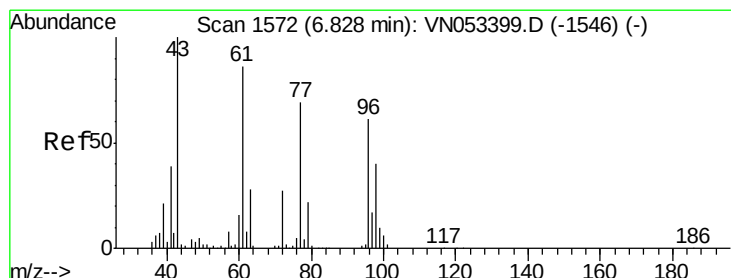
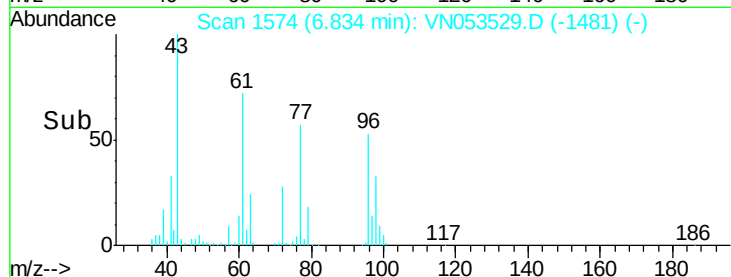
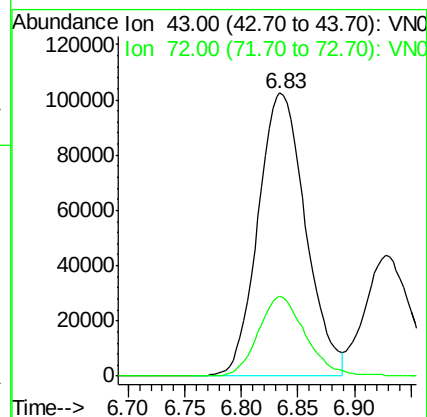
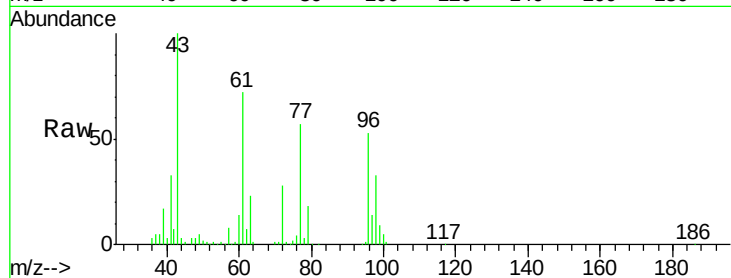
72 28.0 22.0 33.0

Manual Integrations

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1/24/2019 11:53:28 AM



#26

2,2-Dichloropropane

Concen: 19.907 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053529.D

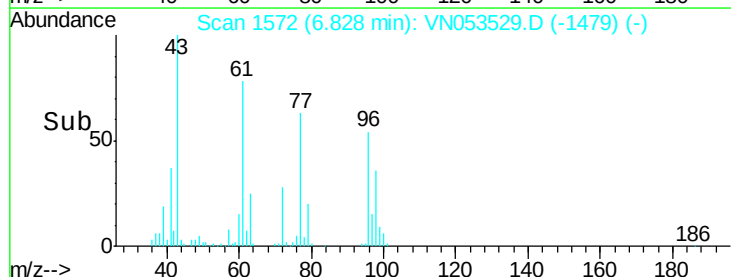
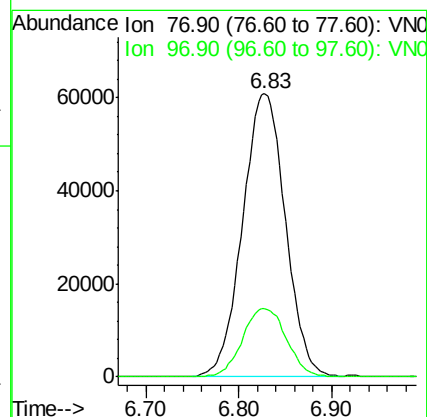
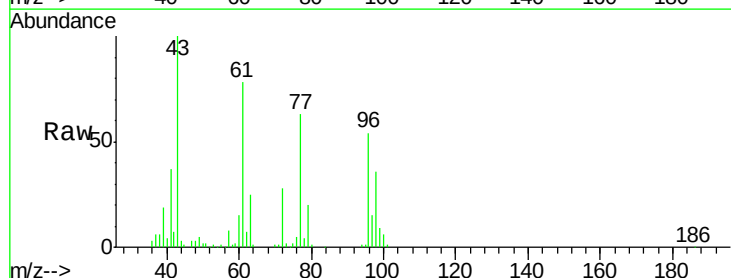
Acq: 23 Jan 2019 11:23

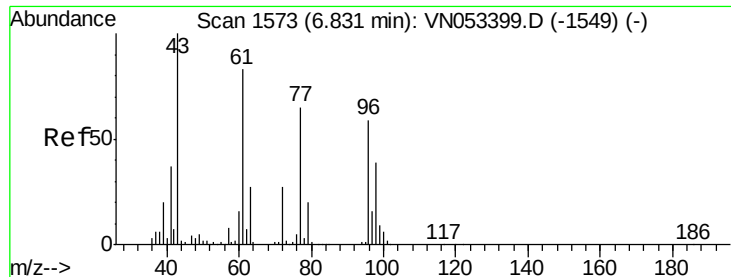
Tgt Ion: 77 Resp: 194856

Ion Ratio Lower Upper

77 100

97 24.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.966 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

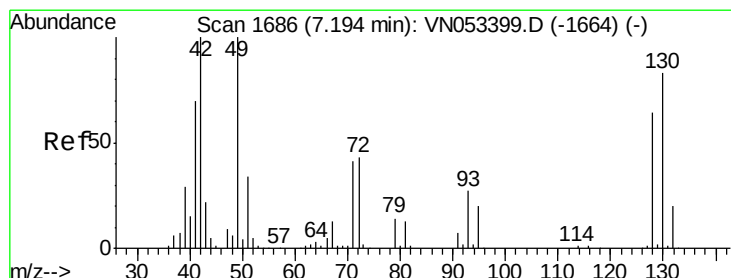
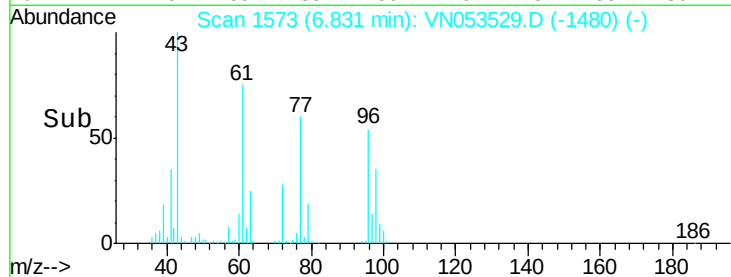
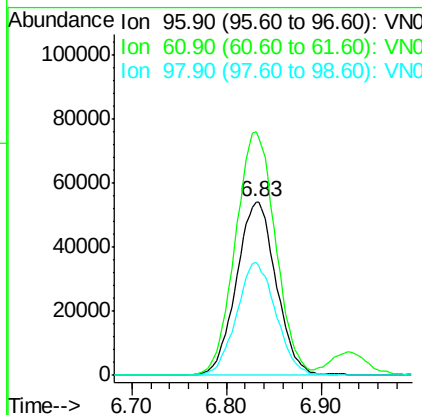
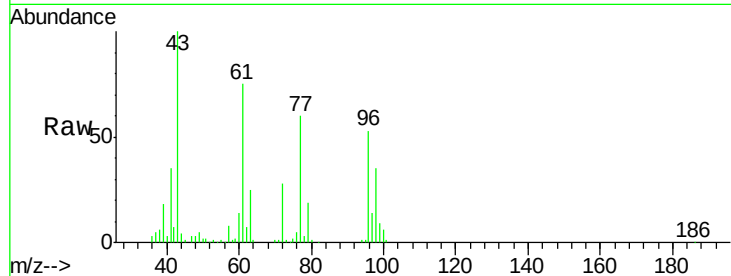
ClientSampleId :

VN0123WBS01

Tot Ion:	96	Resp:	157863
Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	283.8
98	64.4	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 19.689 ug/l

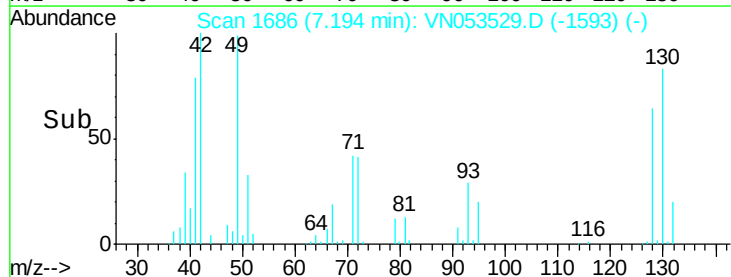
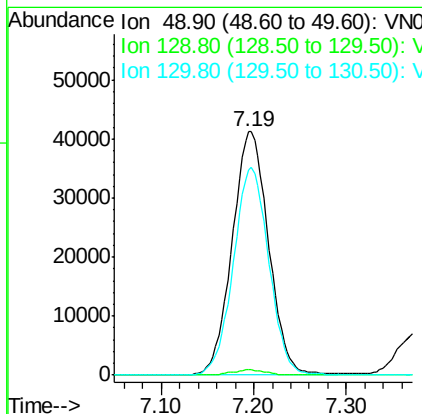
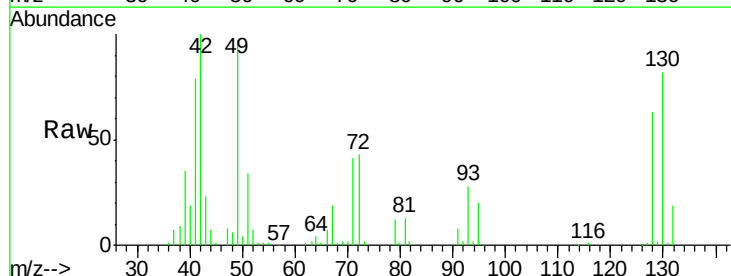
RT: 7.19 min Scan# 1686

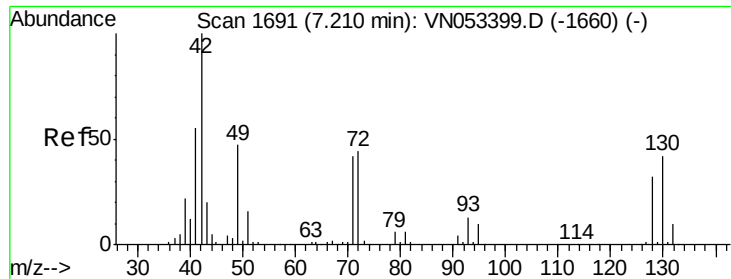
Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	49	Resp:	112447
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	83.3	66.3	99.5





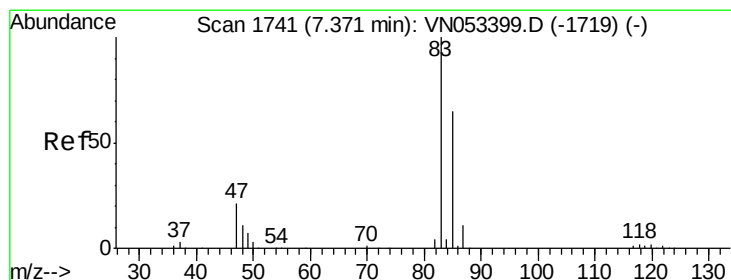
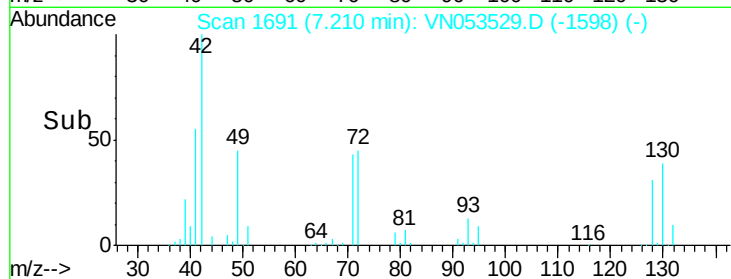
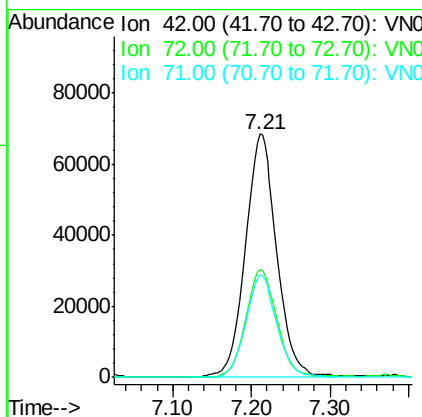
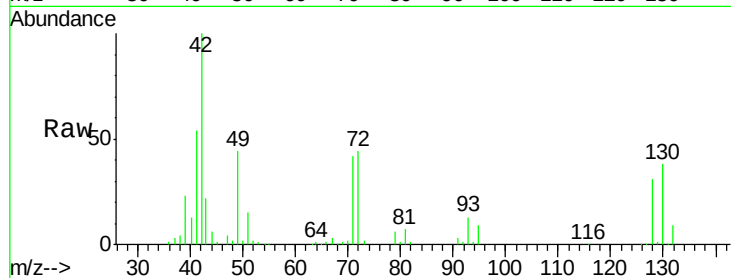
#29
Tetrahydrofuran
Concen: 113.869 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.2	52.8
71	41.6	33.0	49.4

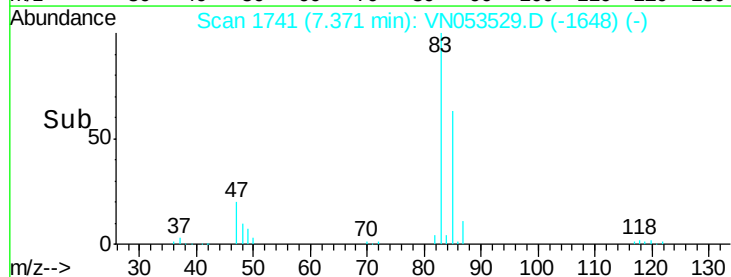
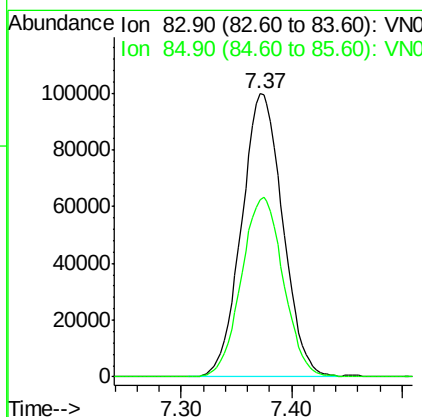
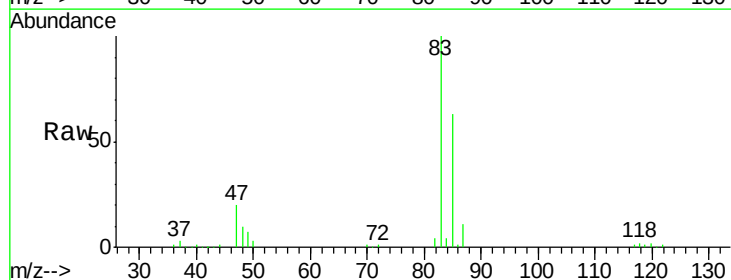
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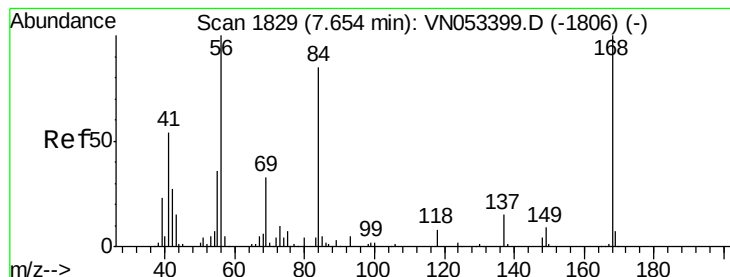
MMDadoda
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#30
Chloroform
Concen: 20.459 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.2	78.2





#31

Cyclohexane

Concen: 18.498 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

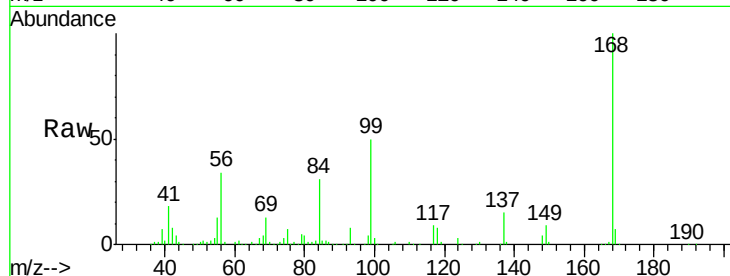
ClientSampled :

VN0123WBS01

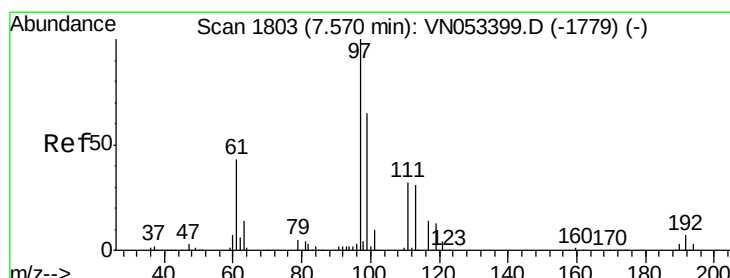
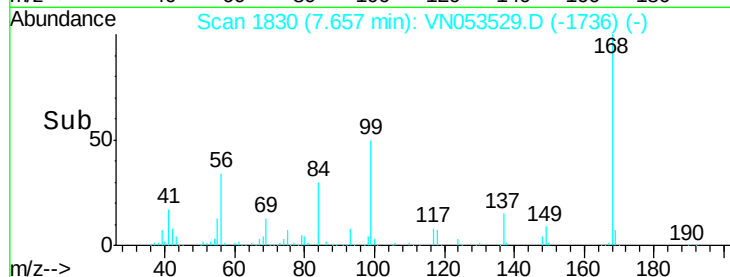
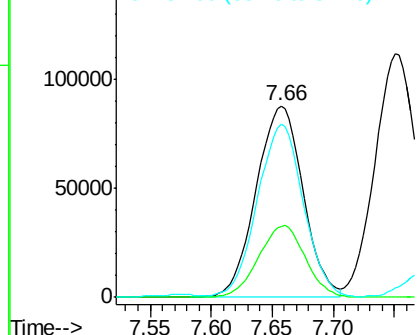
Tot Ion:	56	Resp:	235161
Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.4	39.6
84	89.2	67.9	101.9

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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.005 ug/l

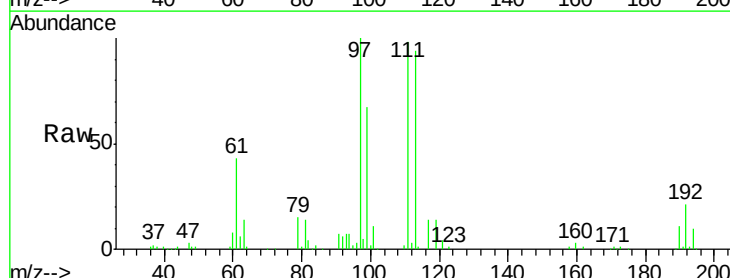
RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

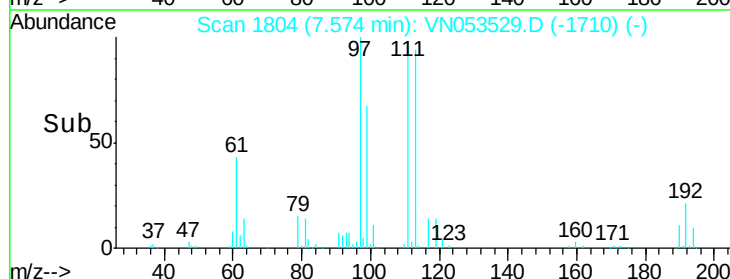
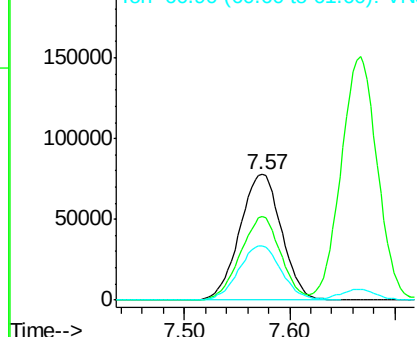
Lab File: VN053529.D

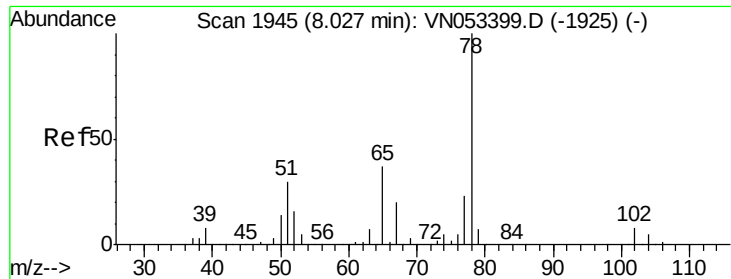
Acq: 23 Jan 2019 11:23

Tgt Ion:	97	Resp:	214348
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	43.7	34.4	51.6



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





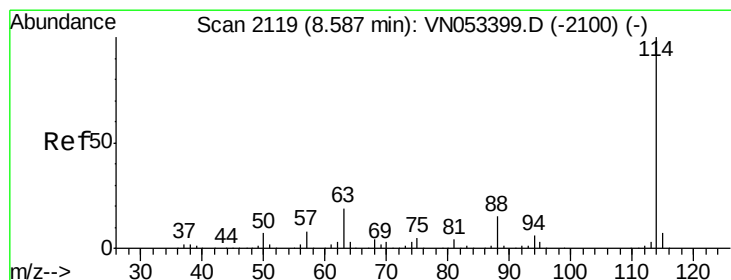
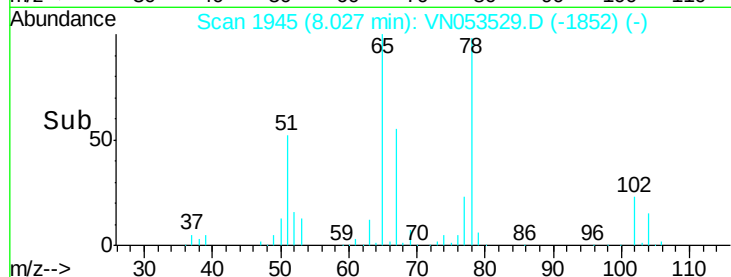
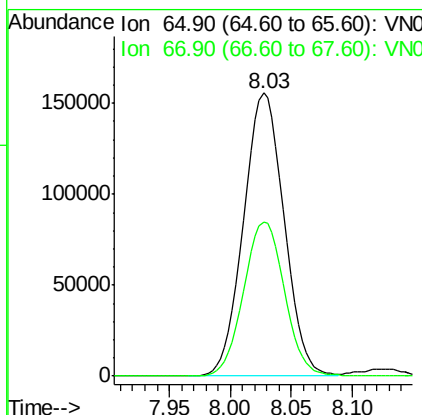
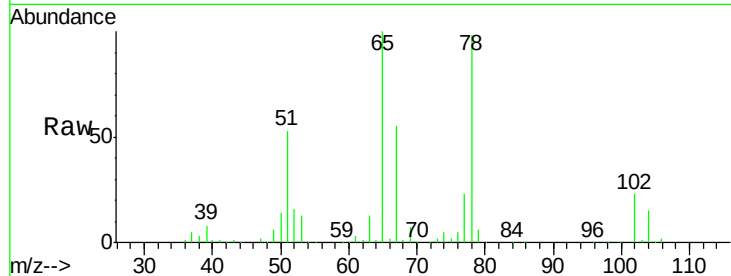
#33
 1,2-Dichloroethane-d4
 Concen: 20.005 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.0	0.0	111.2	

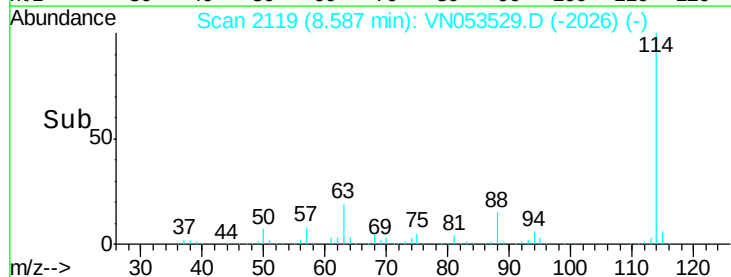
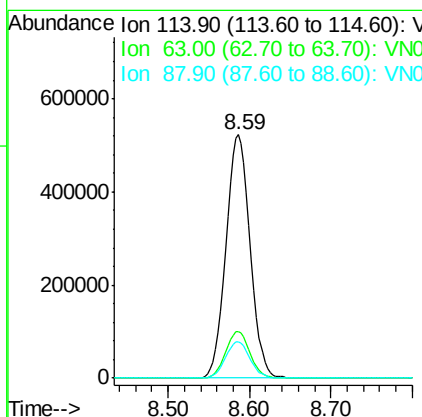
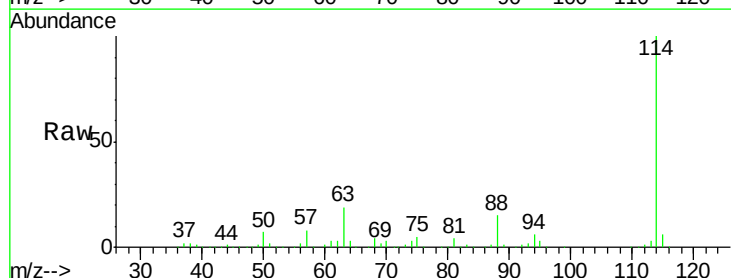
Manual Integrations
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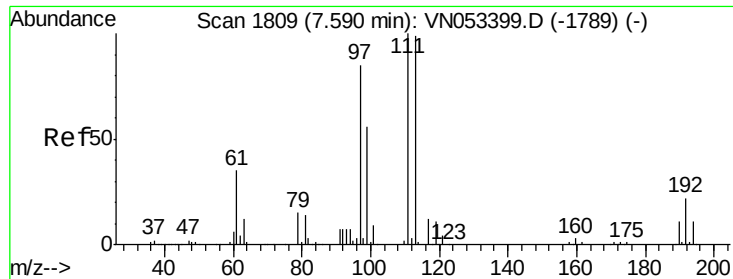
MMDadoda
 1/24/2019 11:53:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	38.6	
88	15.0	0.0	30.4	





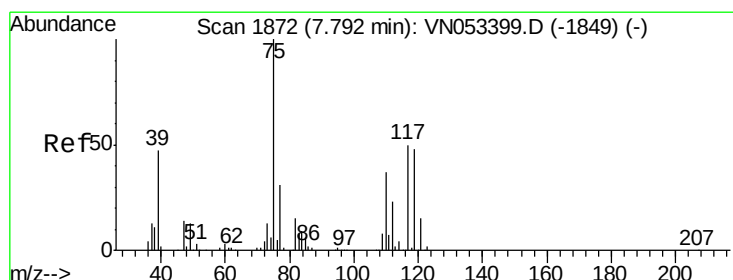
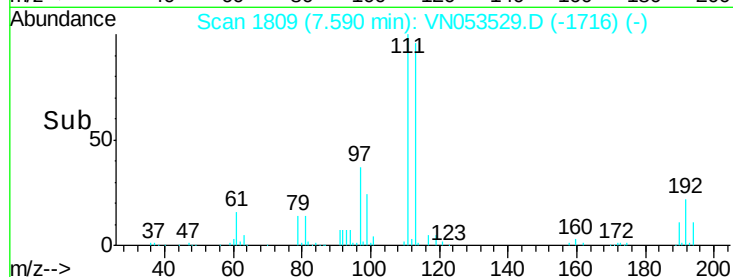
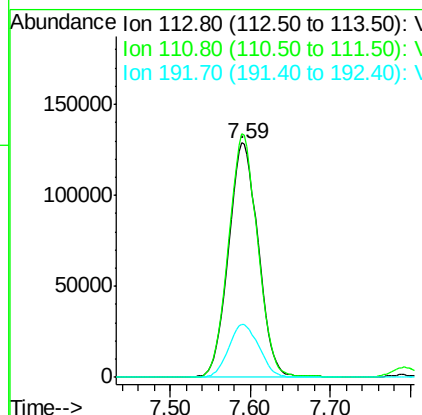
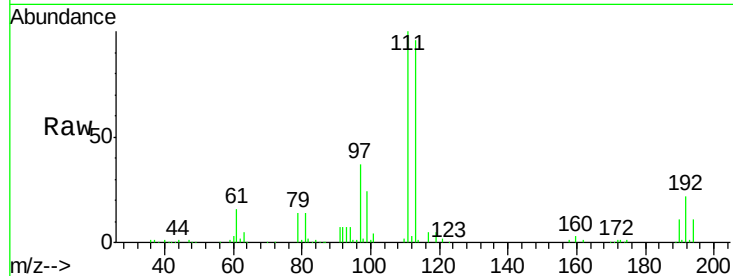
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.4	81.1	121.7	
192	23.1	18.2	27.2	

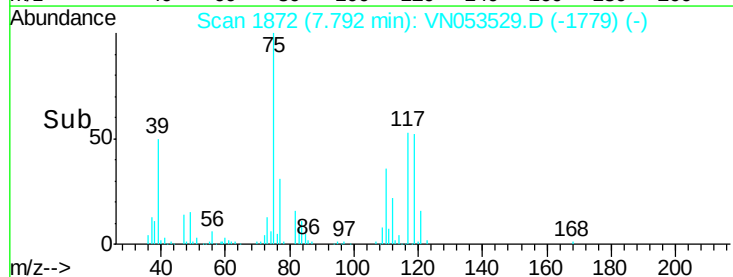
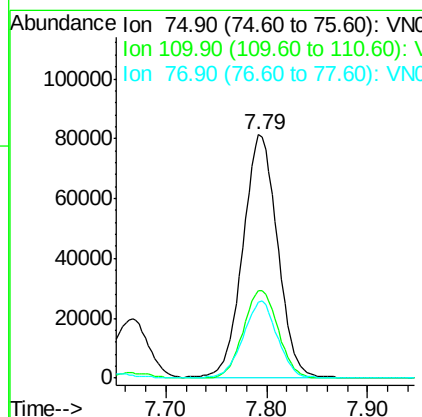
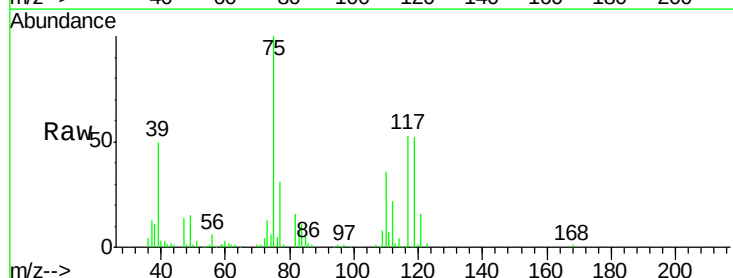
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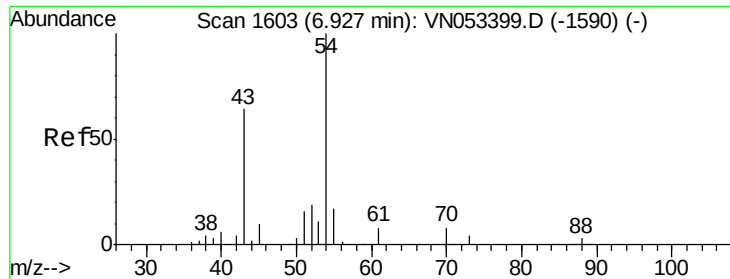
MMDadoda
 1/24/2019 11:53:28 AM



#36
 1,1-Dichloropropene
 Concen: 19.299 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.1	54.3	
77	31.5	25.1	37.7	





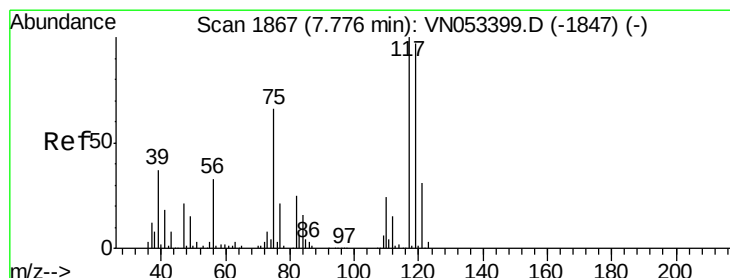
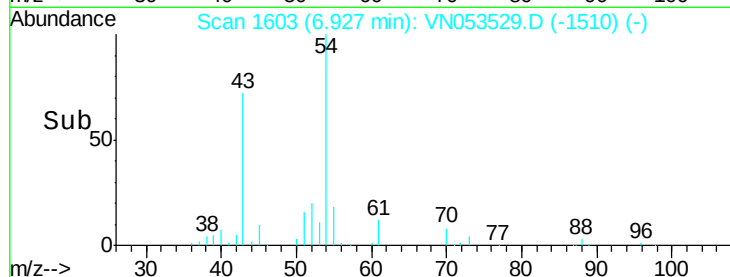
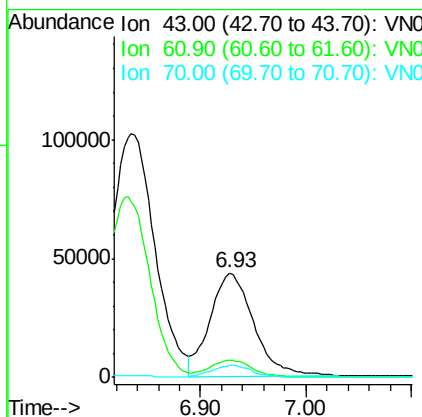
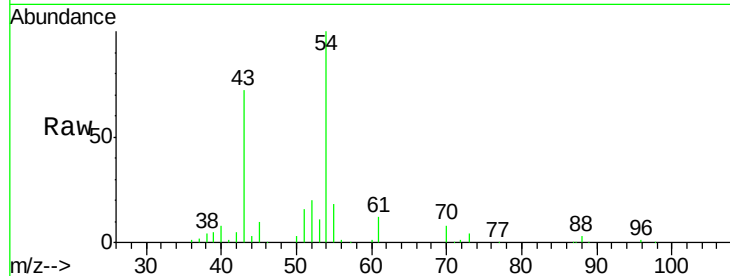
#37
Ethyl Acetate
Concen: 21.864 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.8	17.6
70	10.9	8.6	12.8

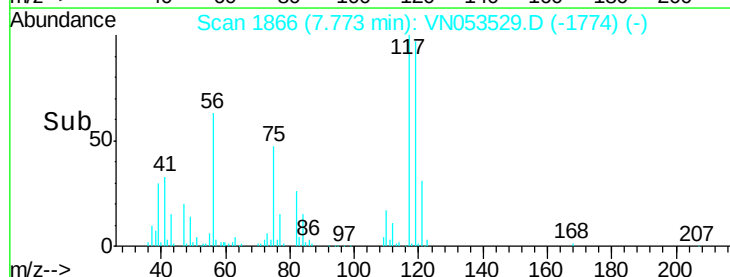
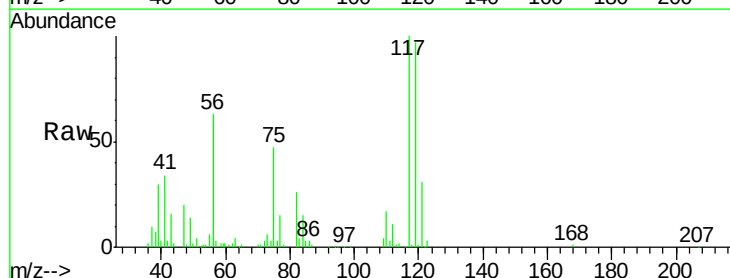
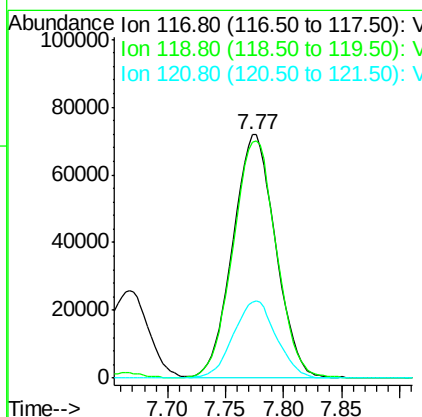
Manual Integrations
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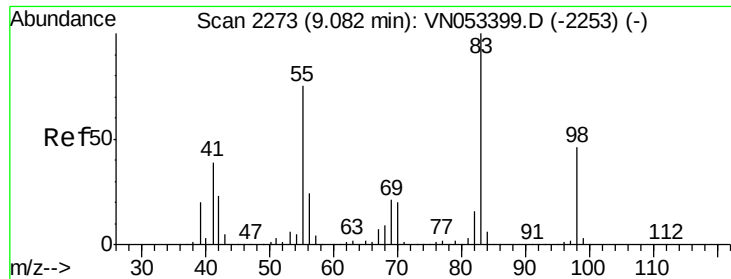
MMDadoda
1/24/2019 11:53:28 AM



#38
Carbon Tetrachloride
Concen: 19.450 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	31.5	24.6	37.0





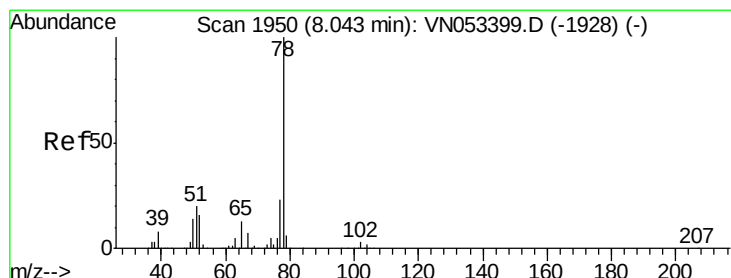
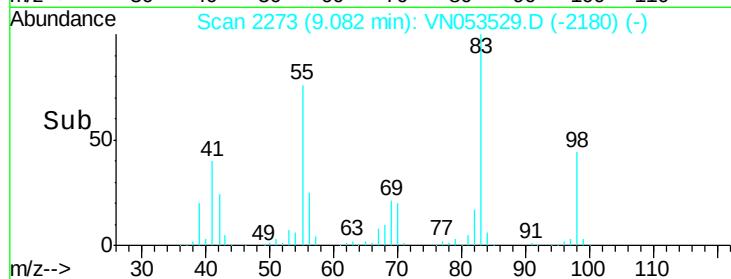
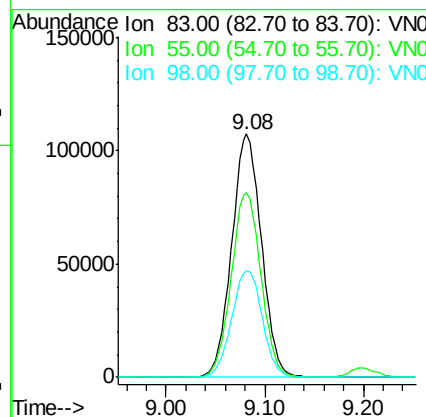
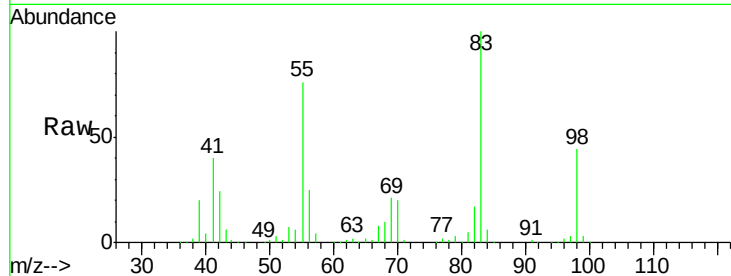
#39
Methylvlcyclohexane
Concen: 18.438 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	226595		
55	76.0		60.1	90.1
98	44.0		36.6	55.0

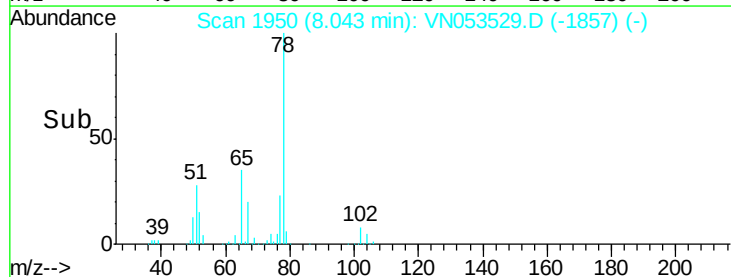
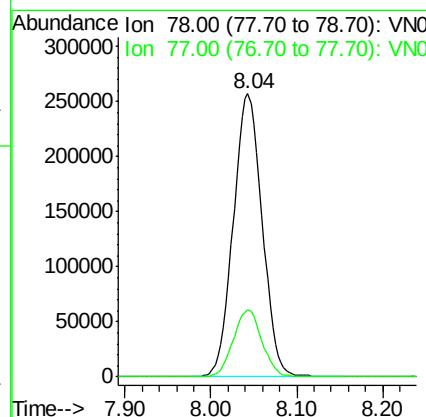
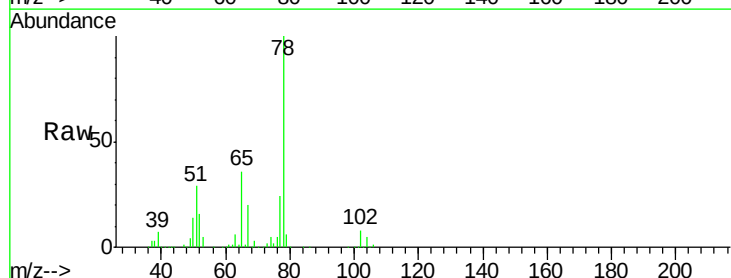
Manual Integrations
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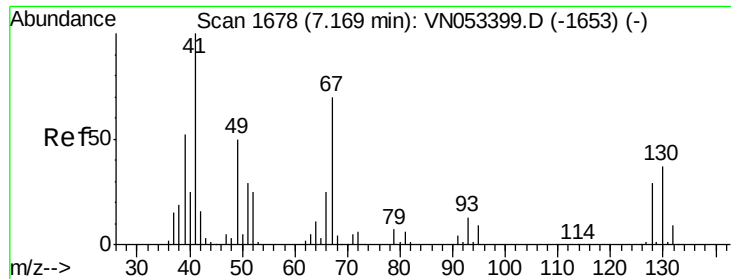
MMDadoda
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#40
Benzene
Concen: 19.844 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	599590		
77	23.6		18.8	28.2





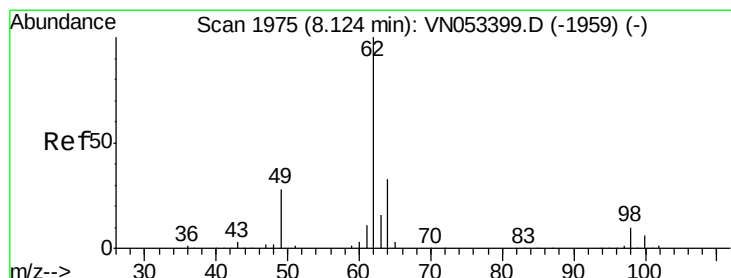
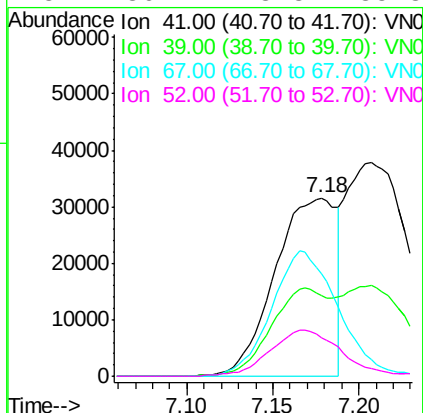
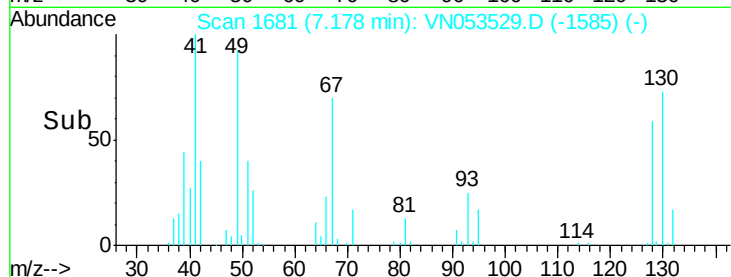
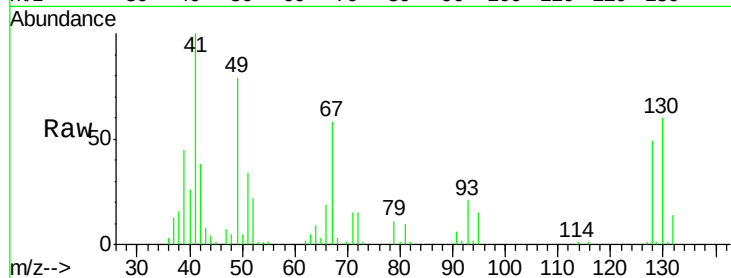
#41
Methacrylonitrile
Concen: 23.399 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		78316		
39	46.5	46.8	70.2#		
67	76.4	63.0	94.6		
52	30.1	23.8	35.8		

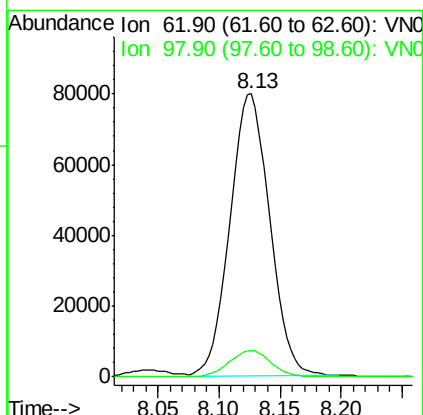
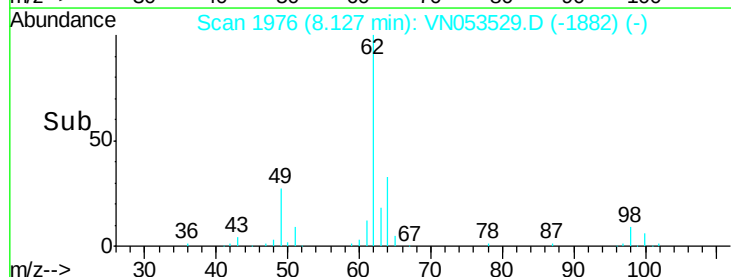
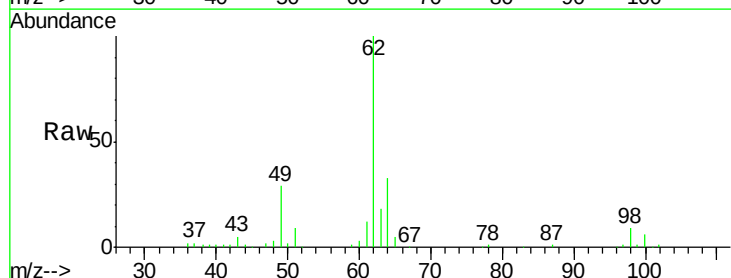
Manual Integrations
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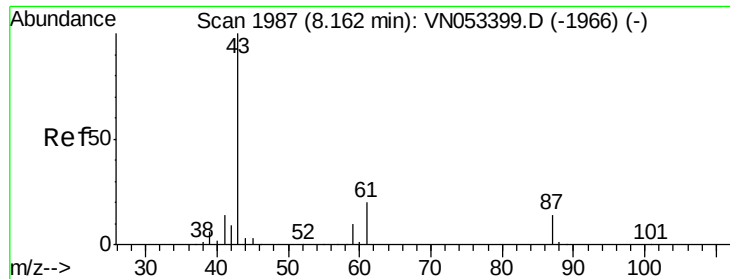
MMDadoda
1/24/2019 11:53:28 AM



#42
1,2-Dichloroethane
Concen: 20.542 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		180820		
98	9.8	0.0	19.6		





#43

Isopropyl Acetate

Concen: 21.468 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

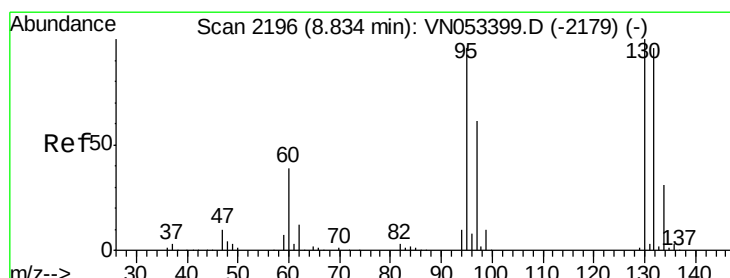
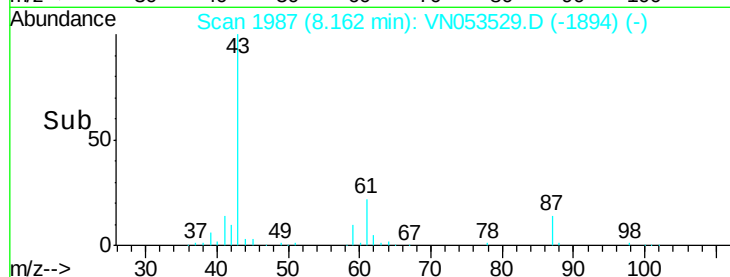
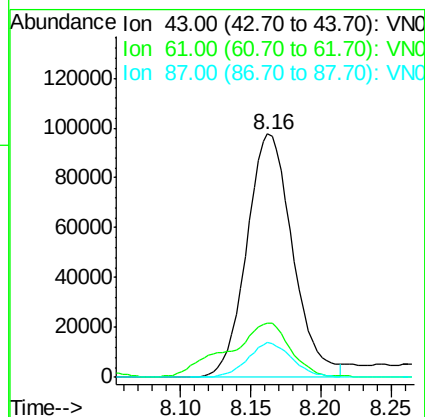
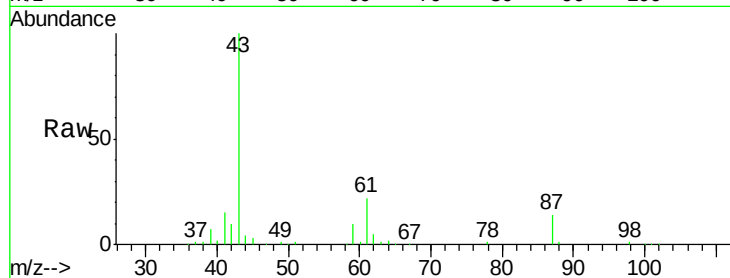
ClientSampleId :

VN0123WBS01

Tot Ion:	43	Resp:	220824
Ion	Ratio	Lower	Upper
43	100		
61	30.0	23.9	35.9
87	13.9	11.0	16.6

Manual Integrations
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MMDadoda
1/24/2019 11:53:28 AM



#44

Trichloroethene

Concen: 20.042 ug/l

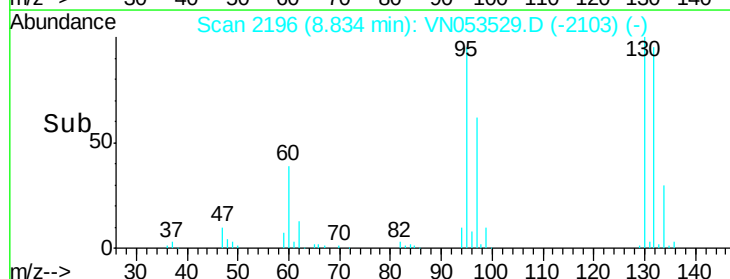
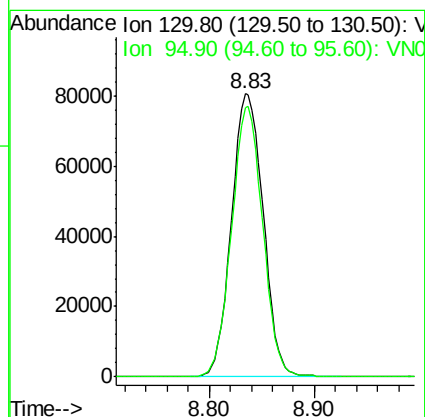
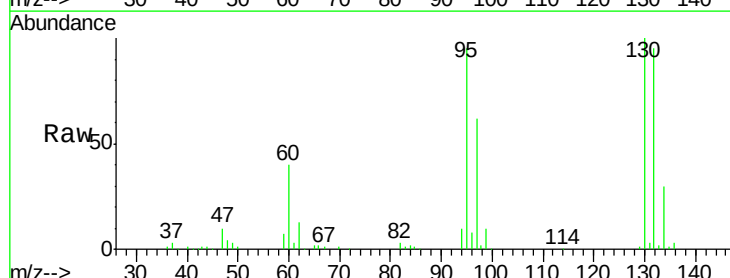
RT: 8.83 min Scan# 2196

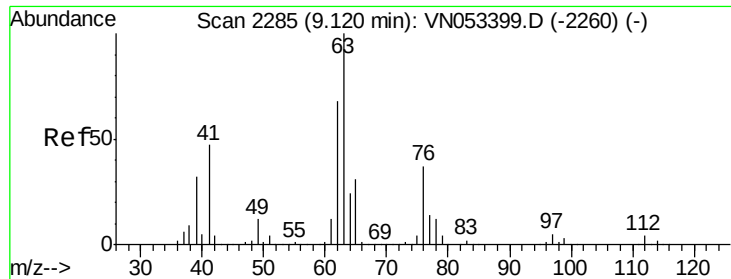
Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	130	Resp:	167938
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	191.4





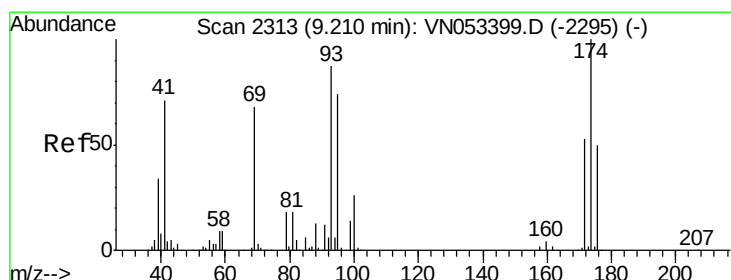
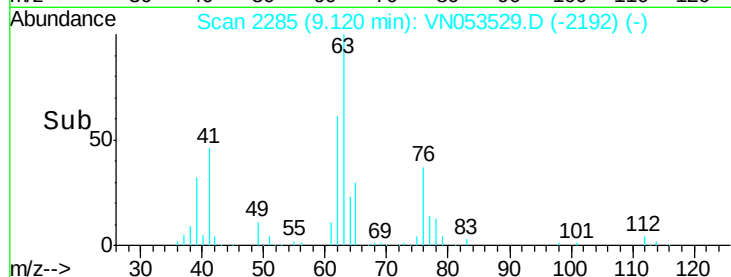
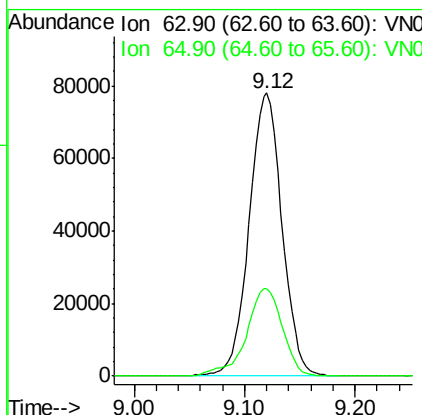
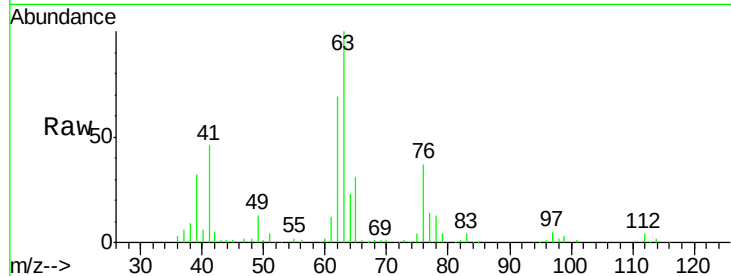
#45
 1,2-Dichloropropane
 Concen: 20.127 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion: 63 Resp: 161082
 Ion Ratio Lower Upper
 63 100
 65 31.1 25.0 37.4

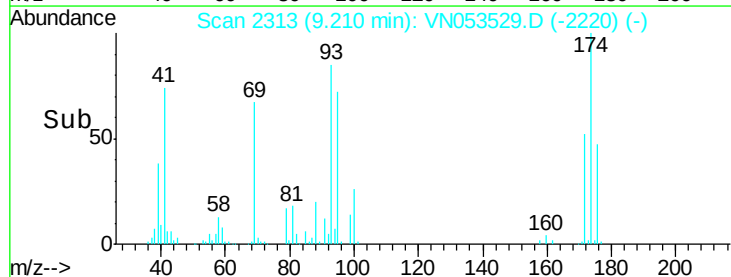
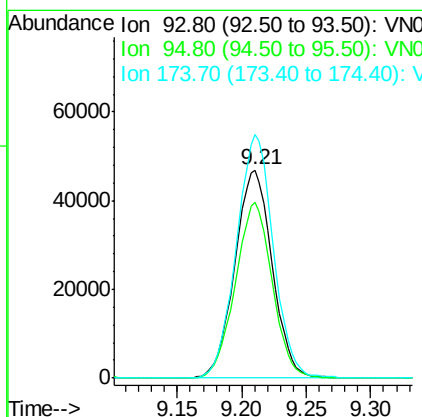
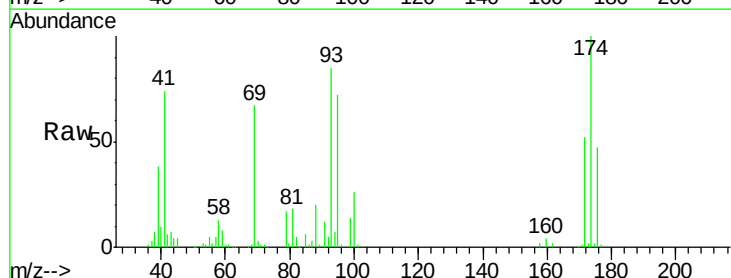
Manual Integrations
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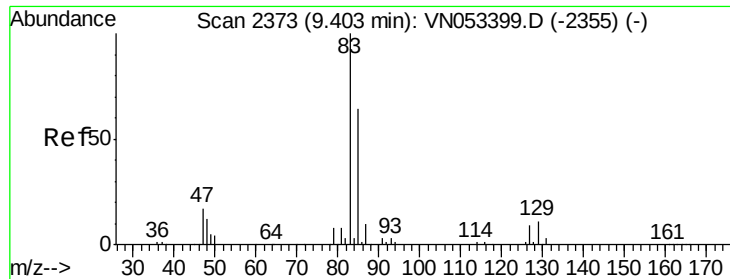
MMDadoda
 1/24/2019 11:53:28 AM



#46
 Dibromomethane
 Concen: 20.588 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion: 93 Resp: 94668
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.3 100.9
 174 115.7 91.0 136.4





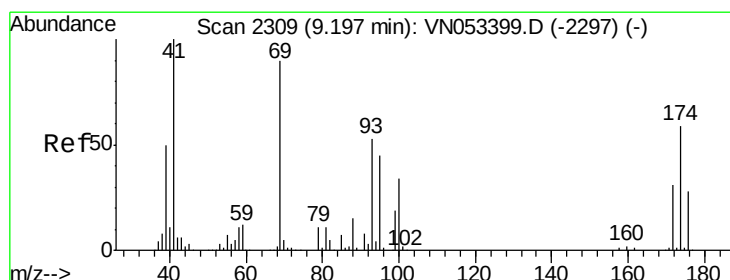
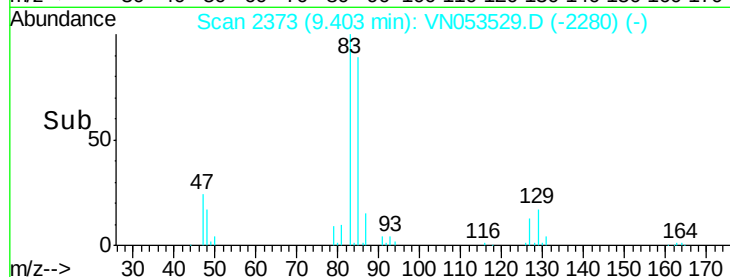
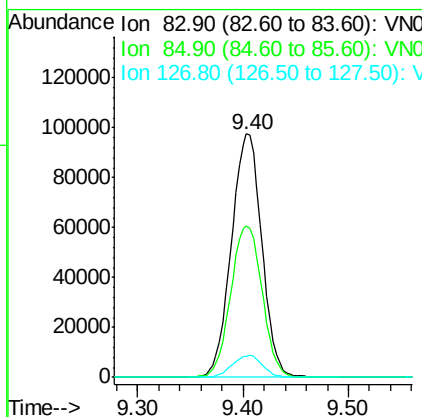
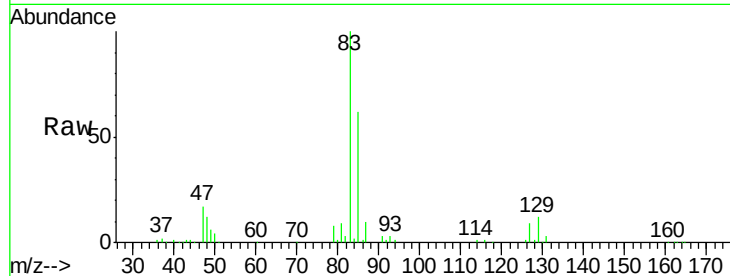
#47
Bromodichloromethane
Concen: 20.199 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	83	Resp	195322
Ion Ratio	100	Lower	Upper
83	100		
85	62.4	51.0	76.6
127	8.7	7.0	10.6

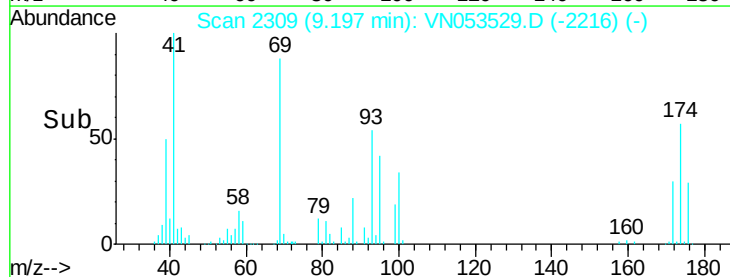
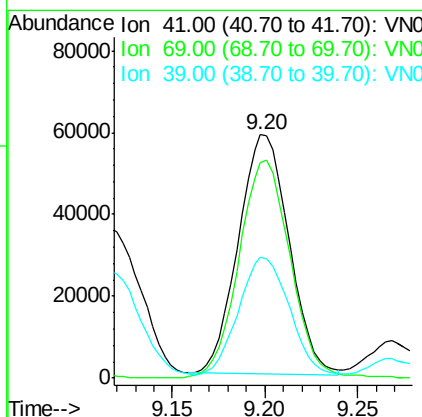
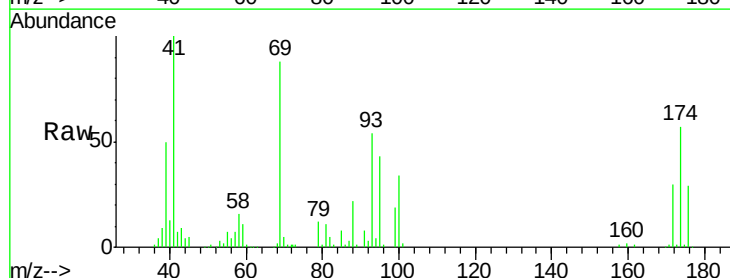
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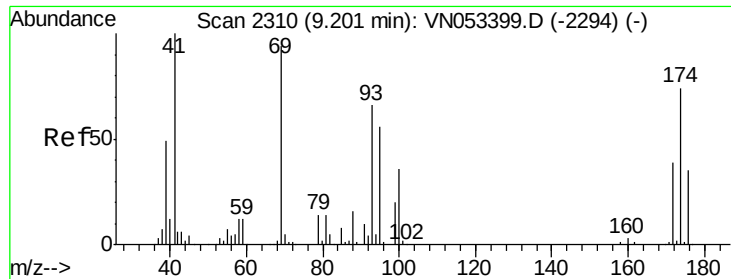
MMDadoda
1/24/2019 11:53:28 AM



#48
Methyl methacrylate
Concen: 20.902 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	41	Resp	111012
Ion Ratio	100	Lower	Upper
41	100		
69	92.5	73.8	110.6
39	51.6	40.0	60.0





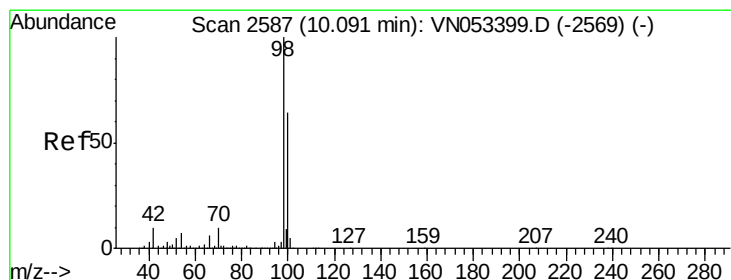
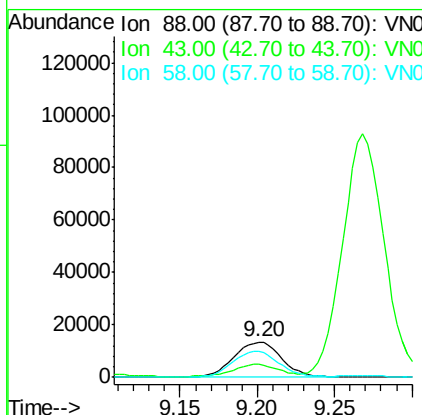
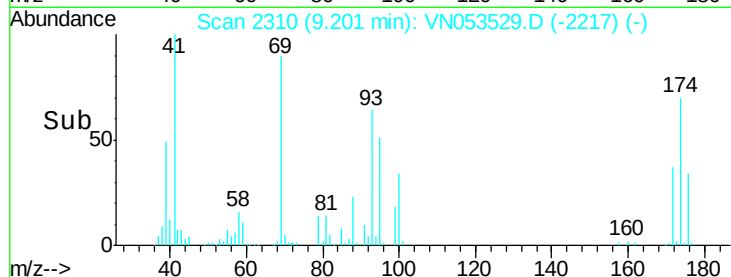
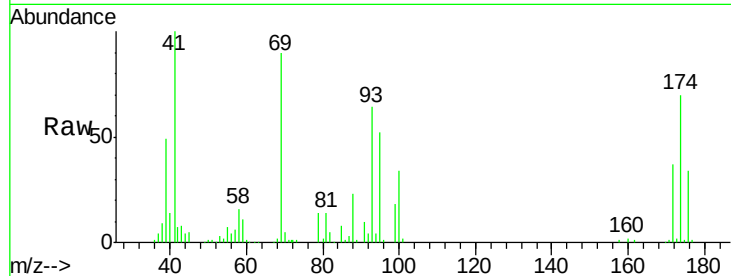
#49
1,4-Dioxane
Concen: 560.431 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	88	Resp	29069
Ion	Ratio	Lower	Upper
88	100		
43	32.5	27.8	41.6
58	72.1	56.5	84.7

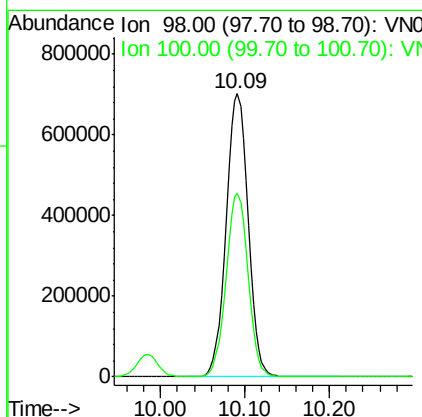
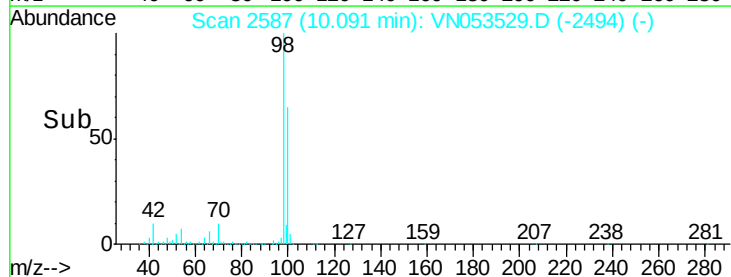
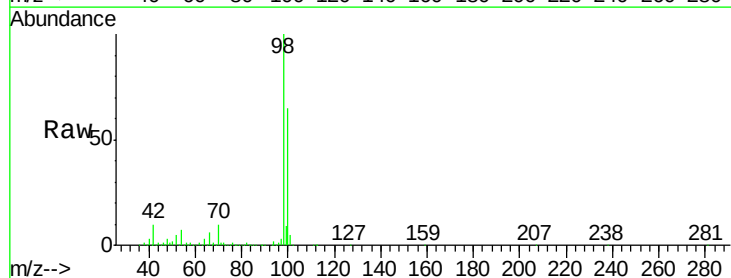
Manual Integrations
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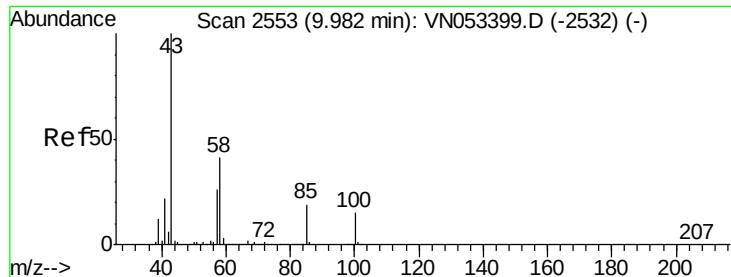
MMDadoda
1/24/2019 11:53:28 AM



#50
Toluene-d8
Concen: 560.431 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	98	Resp	1272827
Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.0





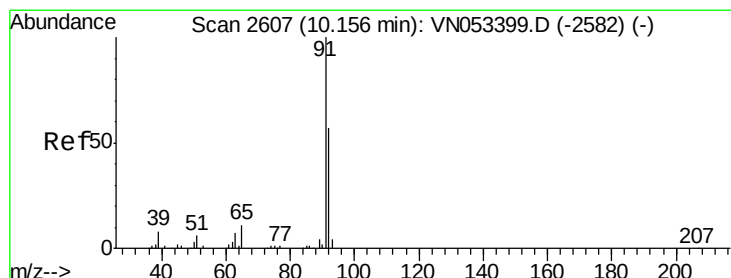
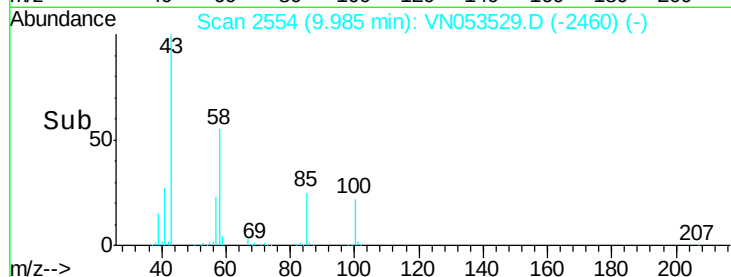
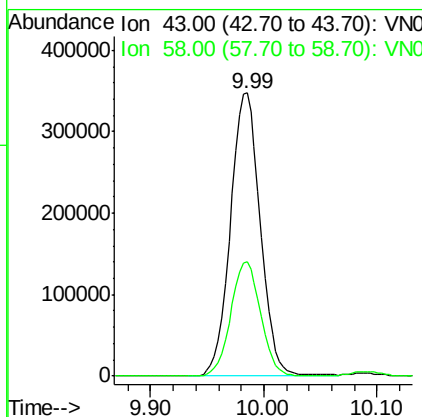
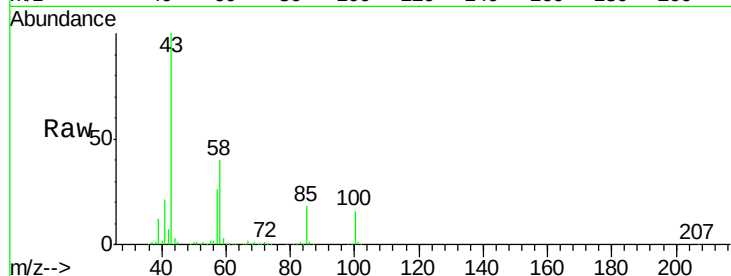
#51
 4-Methyl-2-Pentanone
 Concen: 113.193 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.6	32.8	49.2

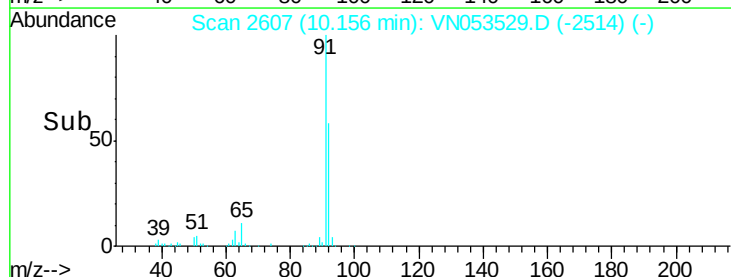
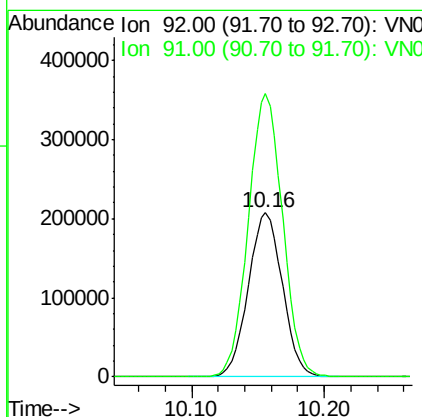
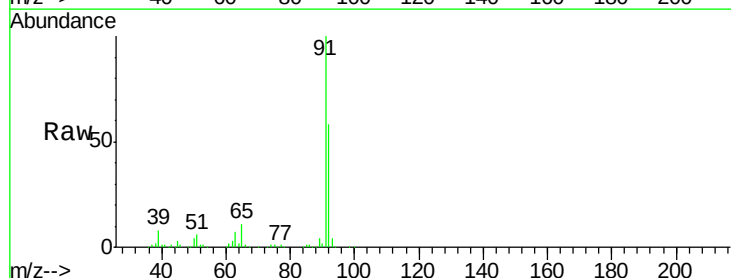
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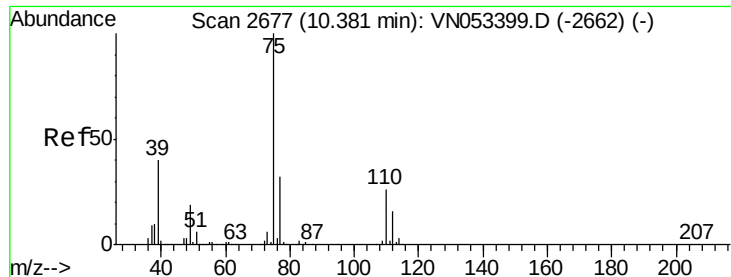
MMDadoda
 1/24/2019 11:53:28 AM



#52
 Toluene
 Concen: 19.794 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	139.9	209.9





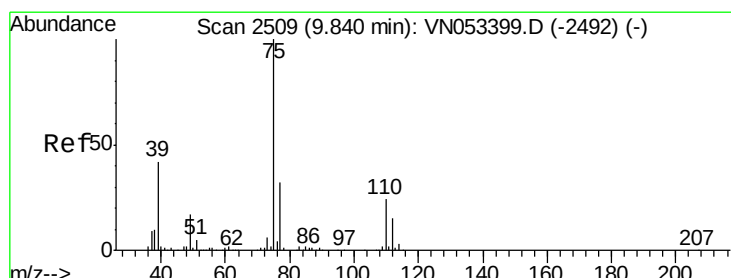
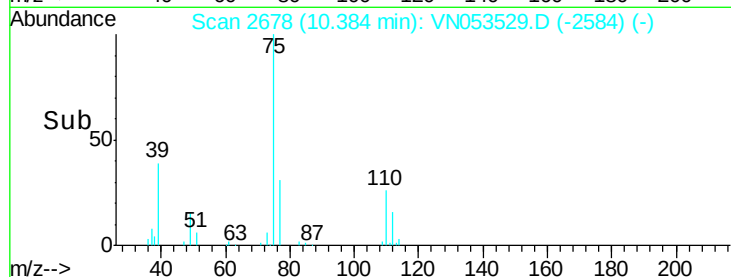
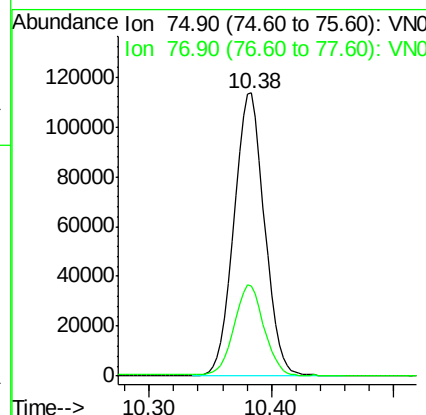
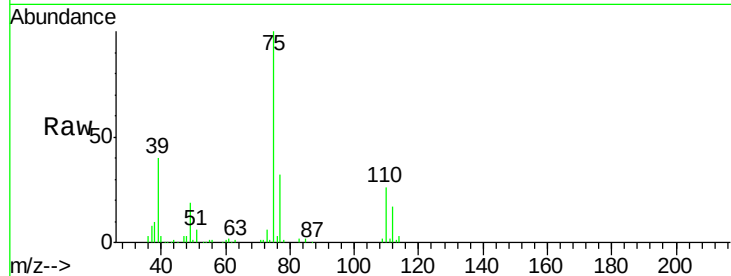
#53
t-1,3-Dichloropropene
Concen: 20.258 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.5	38.3

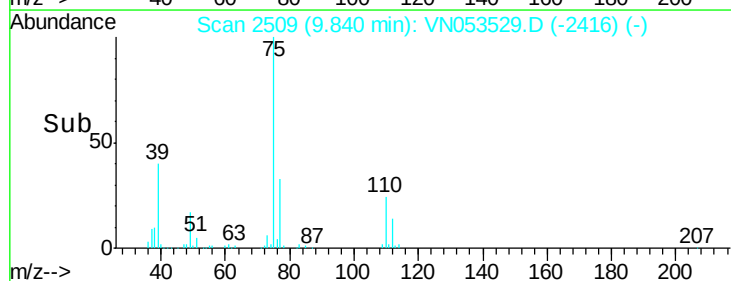
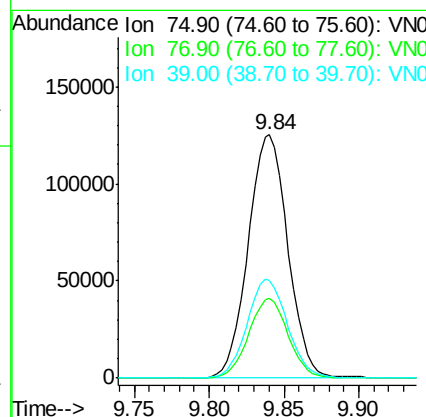
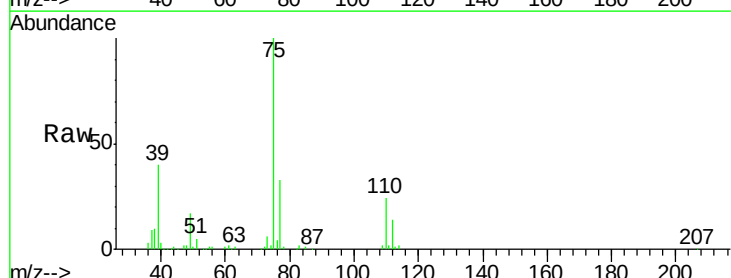
Manual Integrations
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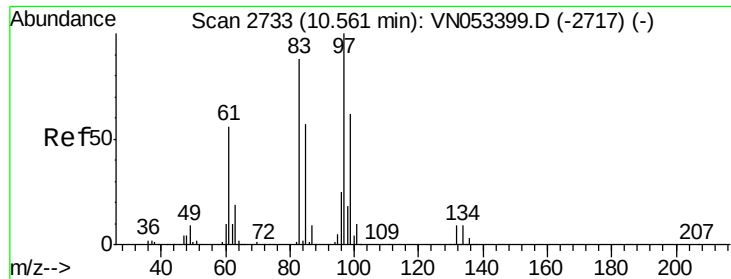
MMDadoda
1/24/2019 11:53:28 AM



#54
cis-1,3-Dichloropropene
Concen: 20.132 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.0	25.8	38.6
39	40.1	33.4	50.0





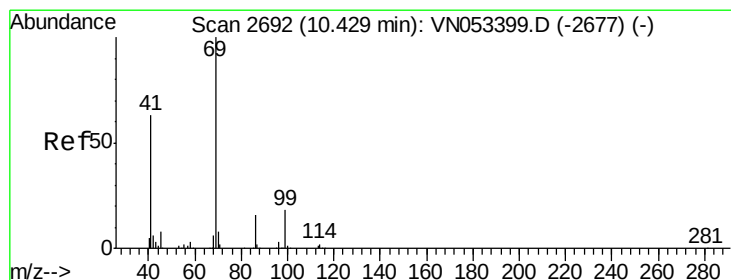
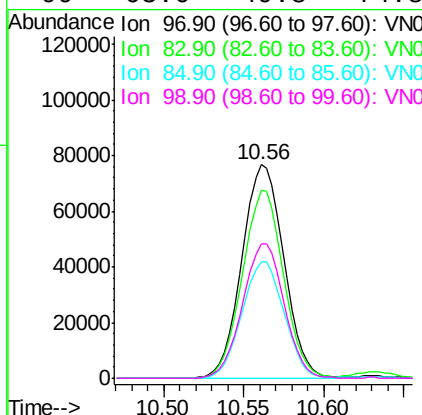
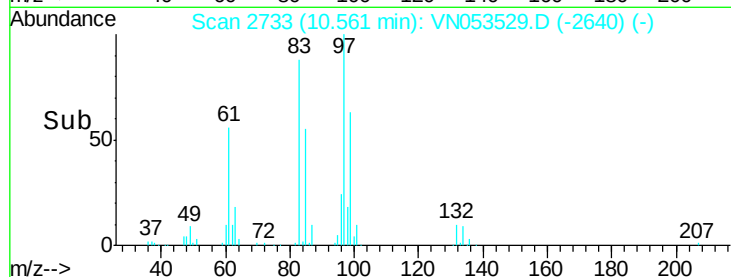
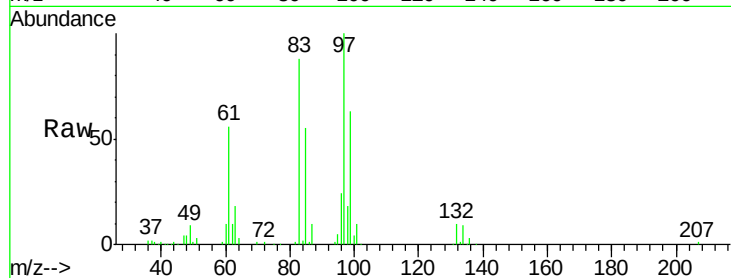
#55
 1,1,2-Trichloroethane
 Concen: 21.225 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	87.9	70.1	105.1		
85	54.7	45.4	68.0		
99	63.0	49.8	74.8		

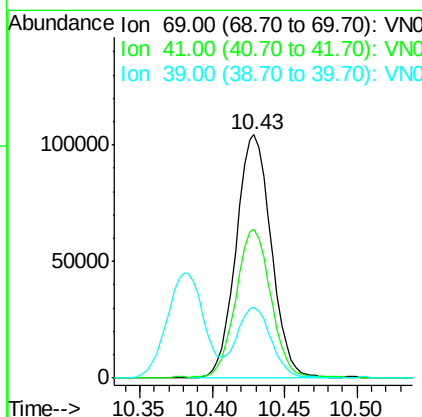
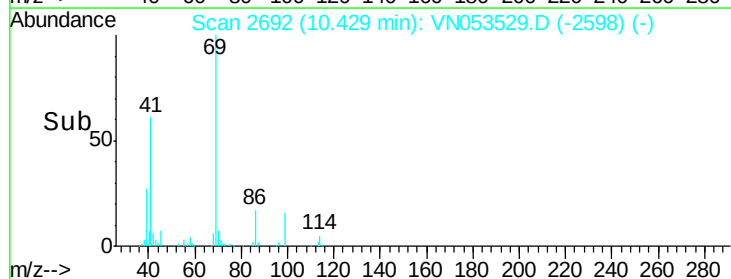
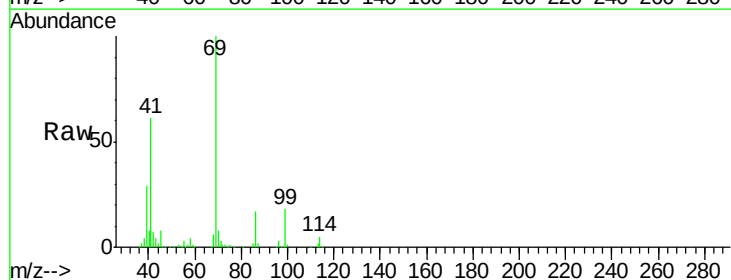
Manual Integrations
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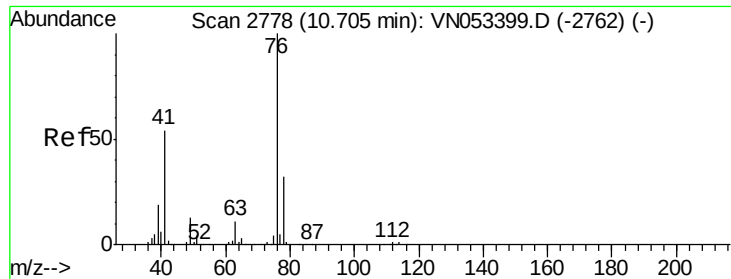
MMDadoda
 1/24/2019 11:53:28 AM



#56
 Ethyl methacrylate
 Concen: 20.461 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	60.2	49.4	74.0		
39	28.2	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 20.807 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0123WBS01

Tot Ion: 76 Resp: 232784

Ion Ratio Lower Upper

76 100

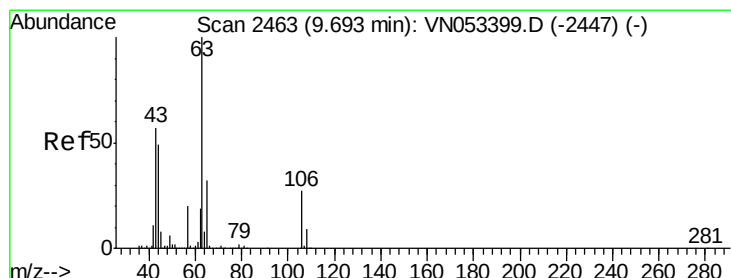
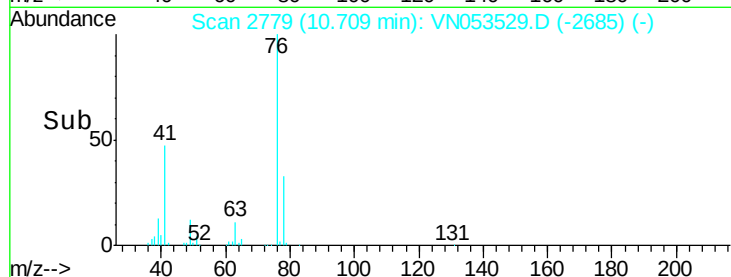
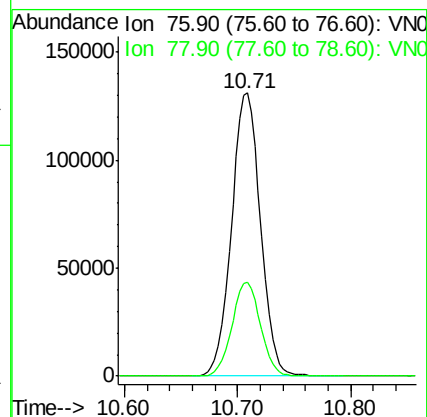
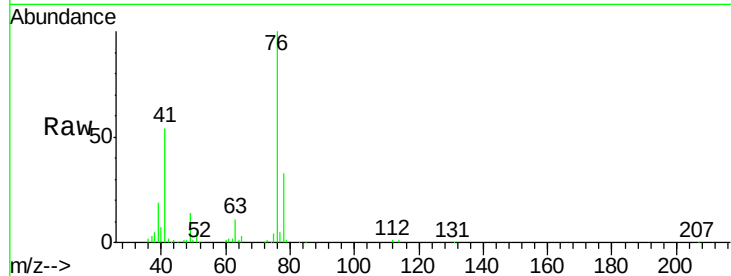
78 32.7 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 100.455 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053529.D

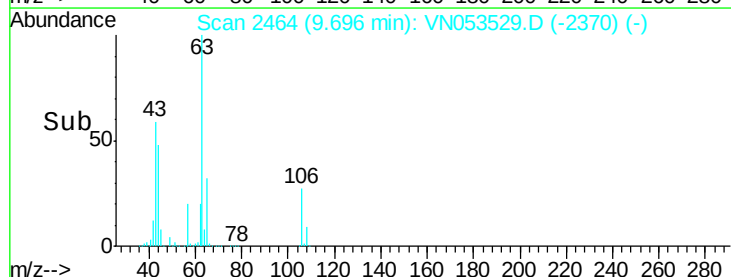
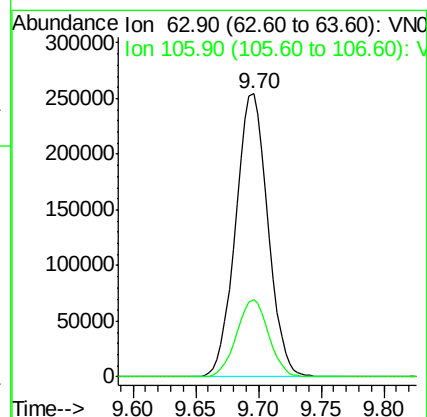
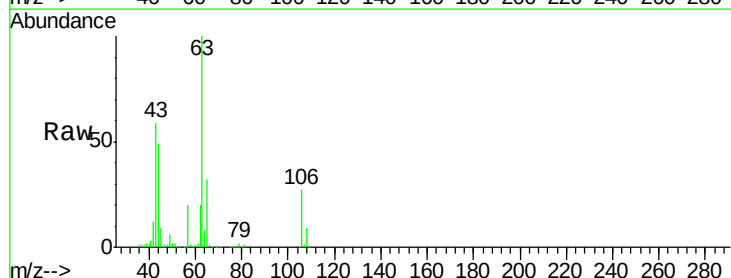
Acq: 23 Jan 2019 11:23

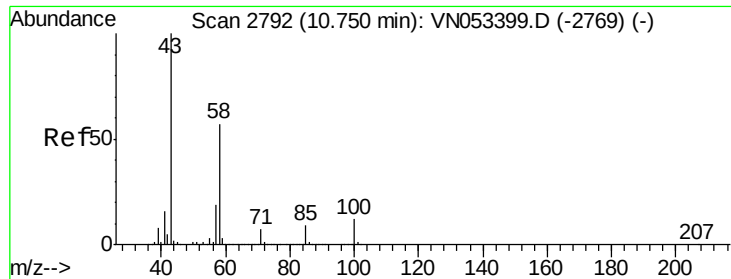
Tgt Ion: 63 Resp: 454497

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3





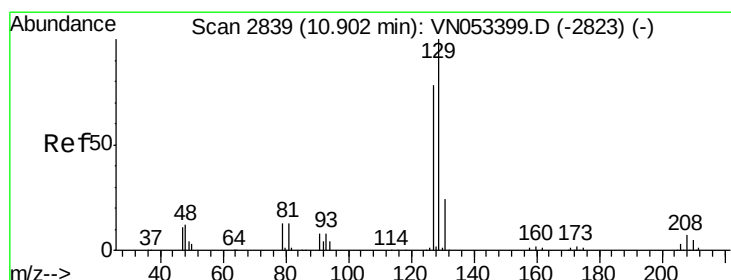
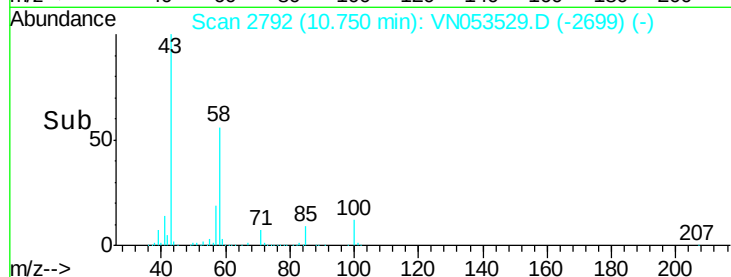
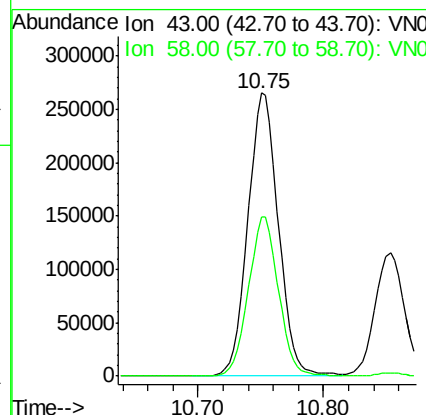
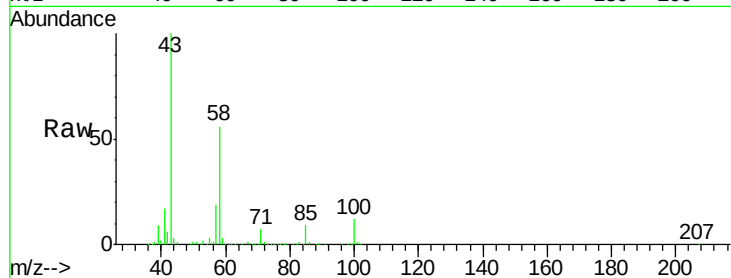
#59
2-Hexanone
Concen: 113.358 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion: 43 Resp: 446837
Ion Ratio Lower Upper
43 100
58 55.9 28.6 85.8

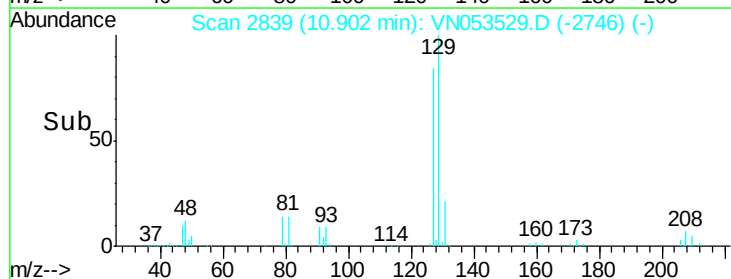
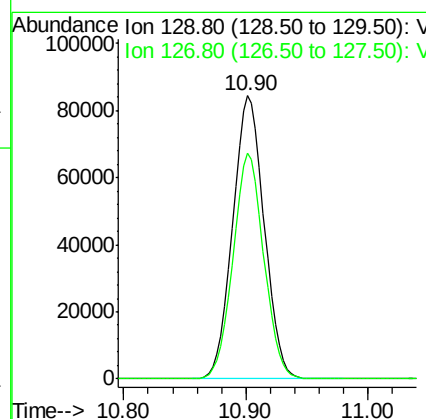
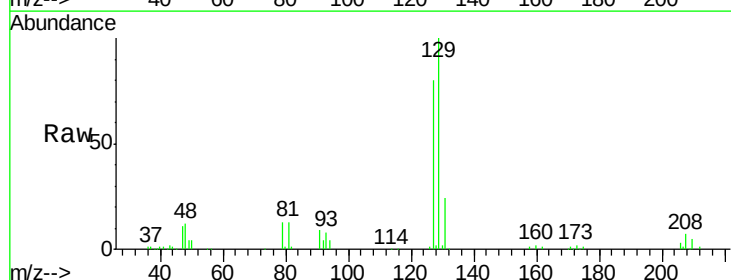
Manual Integrations
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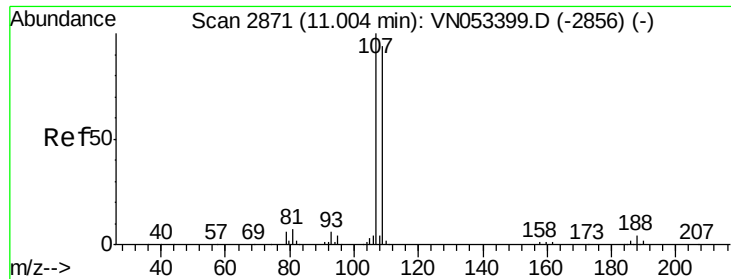
MMDadoda
1/24/2019 11:53:28 AM



#60
Dibromochloromethane
Concen: 20.696 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 129 Resp: 151812
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





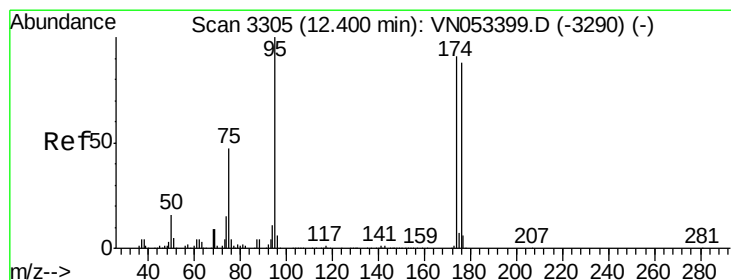
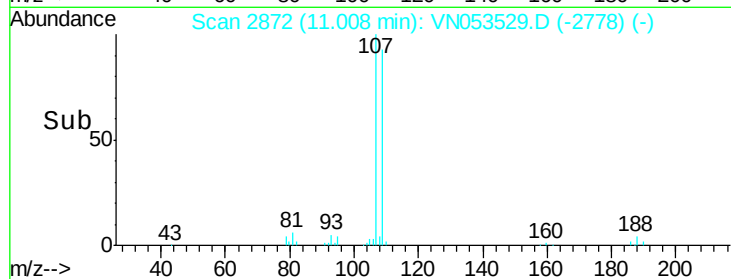
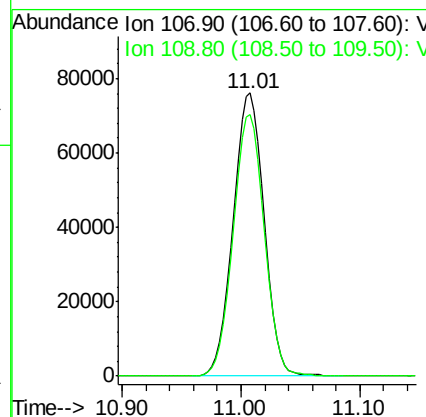
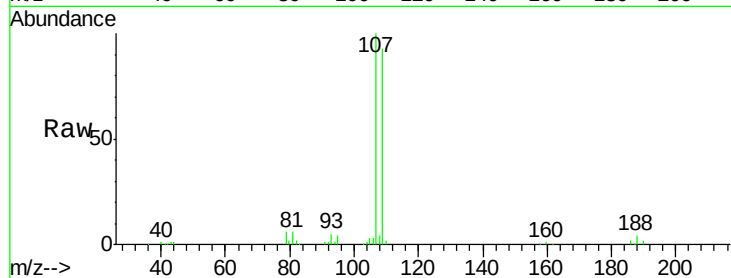
#61
 1,2-Dibromoethane
 Concen: 20.986 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.9	75.7	113.5

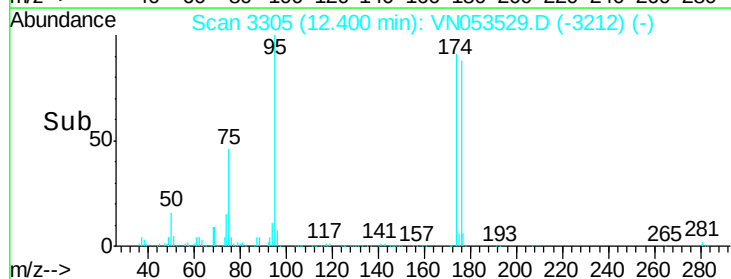
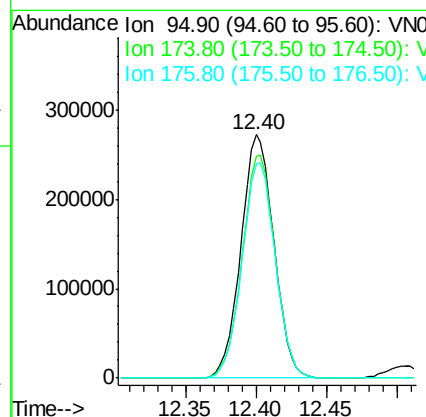
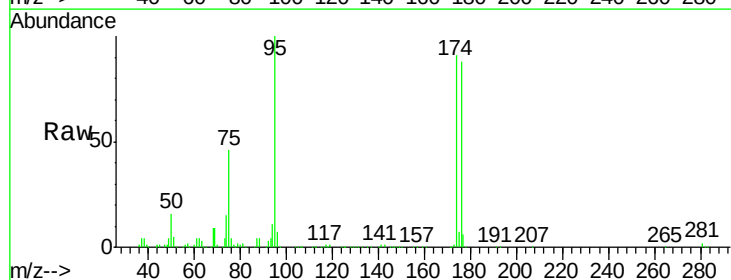
Manual Integrations
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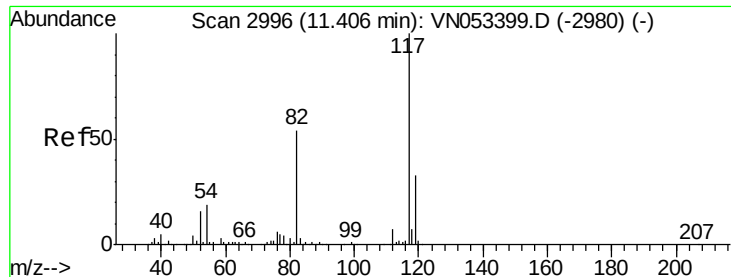
MMDadoda
 1/24/2019 11:53:28 AM



#62
 4-Bromofluorobenzene
 Concen: 20.986 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.9	0.0	183.2
176	89.3	0.0	177.4





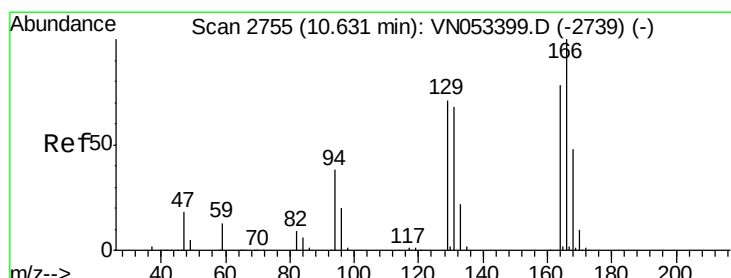
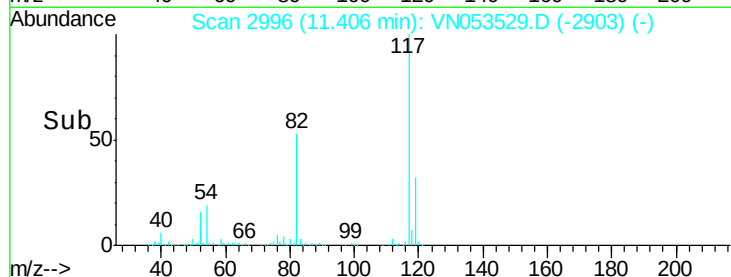
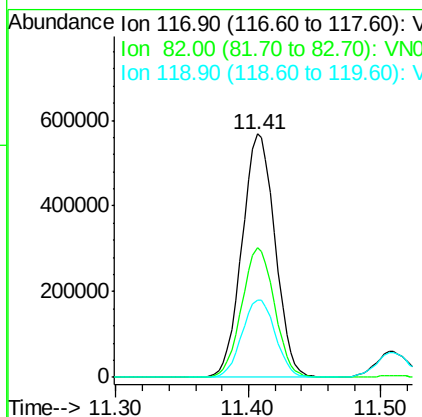
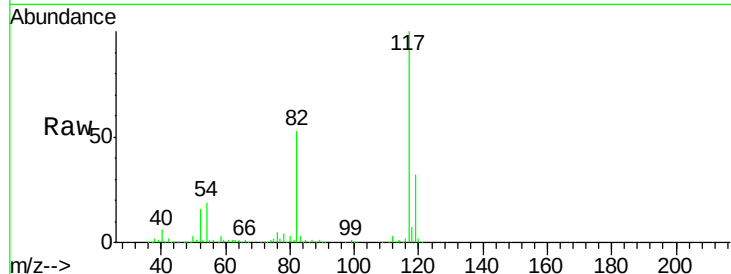
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	985617		
82	53.1	42.9	64.3	
119	31.9	26.0	39.0	

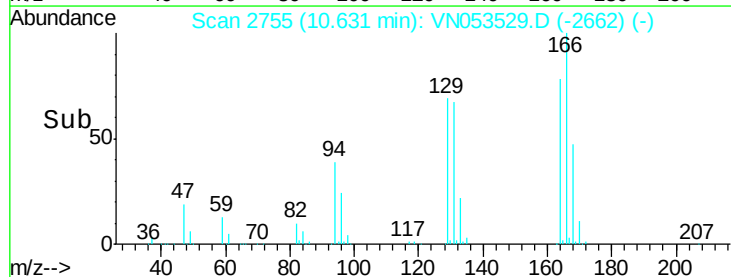
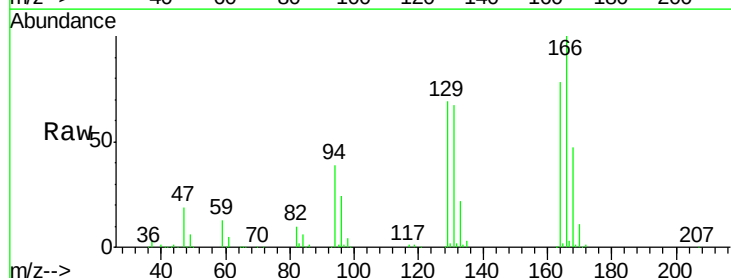
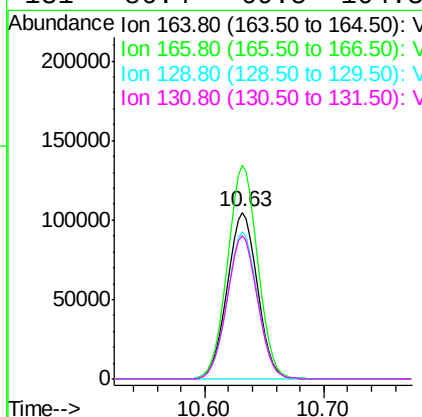
Manual Integrations
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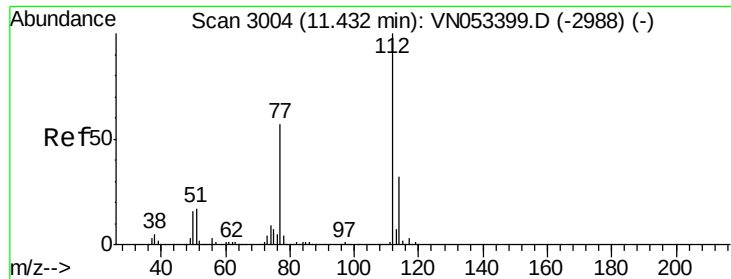
MMDadoda
1/24/2019 11:53:28 AM



#64
Tetrachloroethene
Concen: 19.878 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	184637		
166	128.3	102.2	153.4	
129	88.2	72.6	109.0	
131	86.4	69.5	104.3	





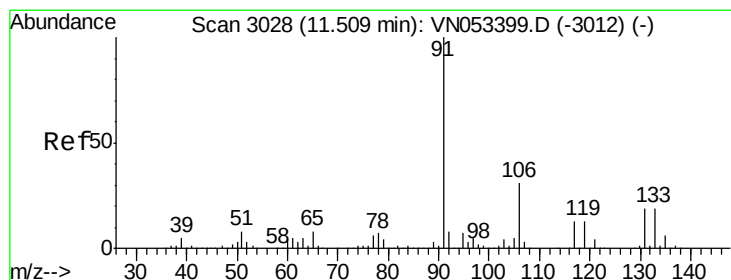
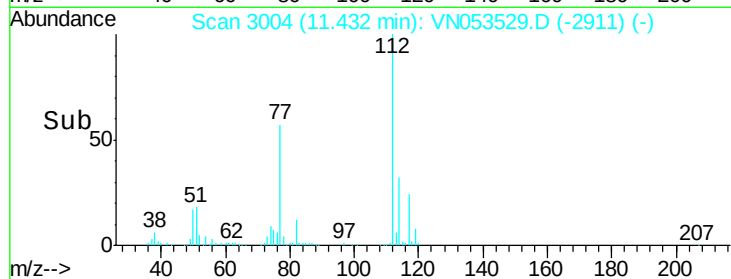
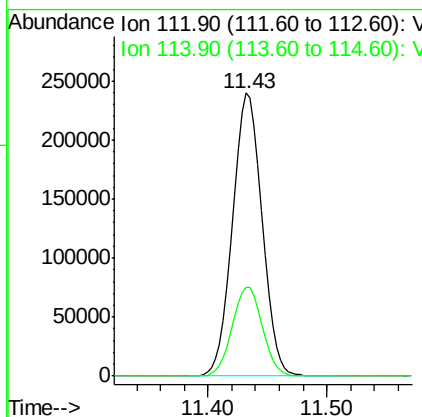
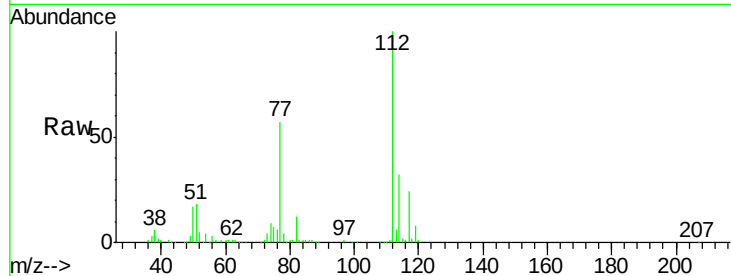
#65
Chlorobenzene
Concen: 19.760 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.3	37.9

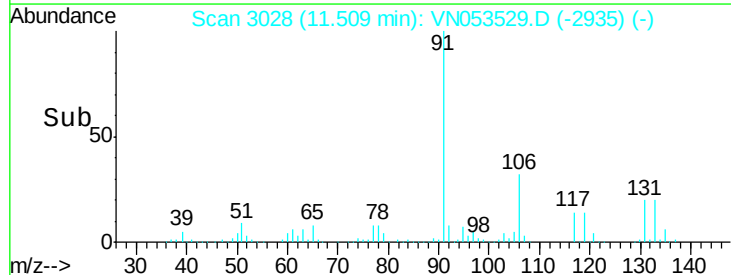
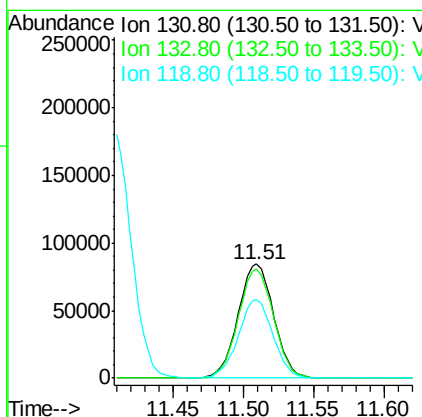
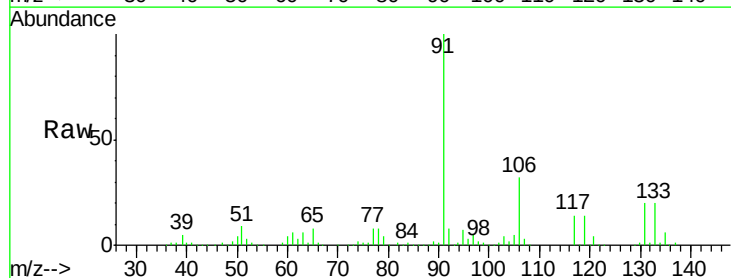
Manual Integrations
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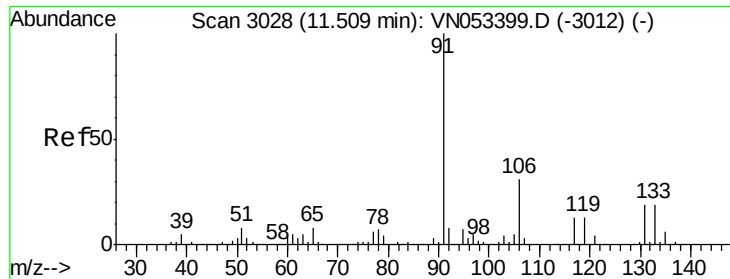
MMDadoda
1/24/2019 11:53:28 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.529 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	48.0	144.0
119	67.2	33.5	100.5





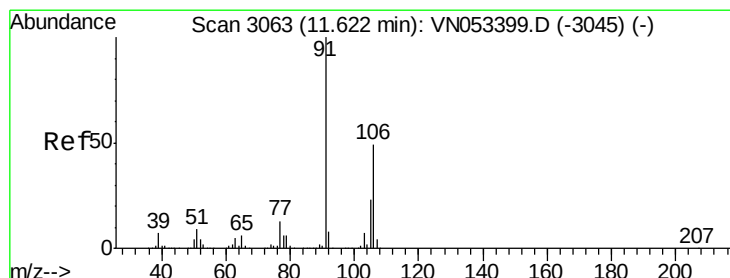
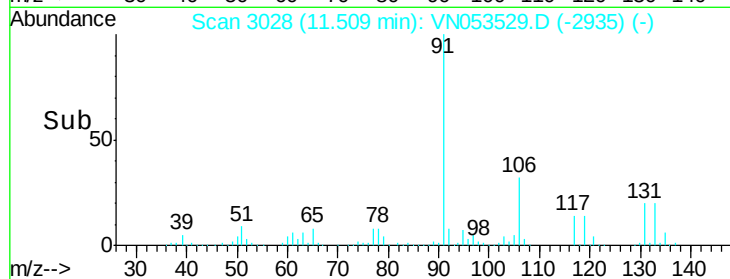
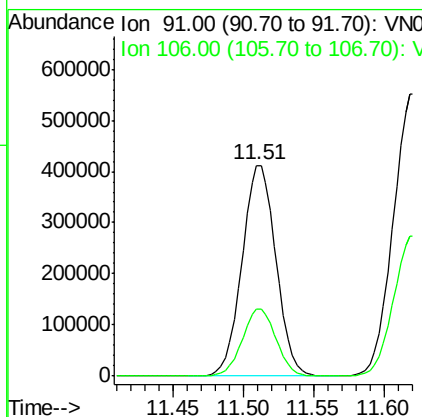
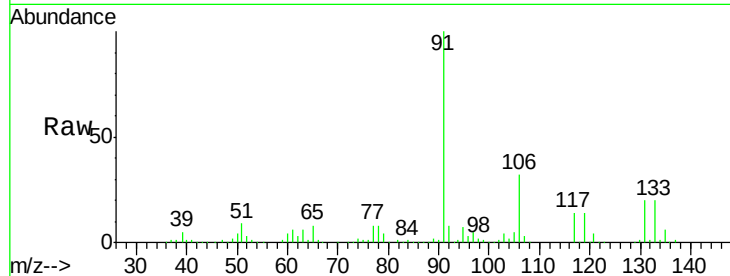
#67
Ethyl Benzene
Concen: 19.504 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

Tot Ion: 91 Resp: 693460
Ion Ratio Lower Upper
91 100
106 32.1 25.0 37.6

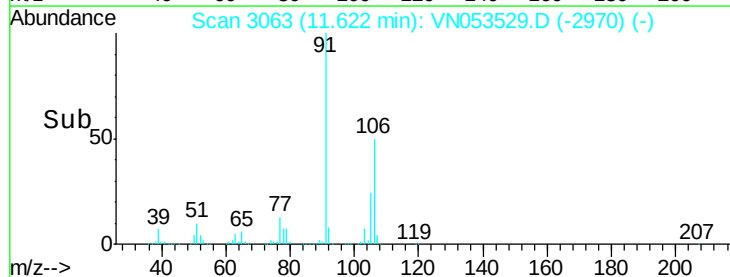
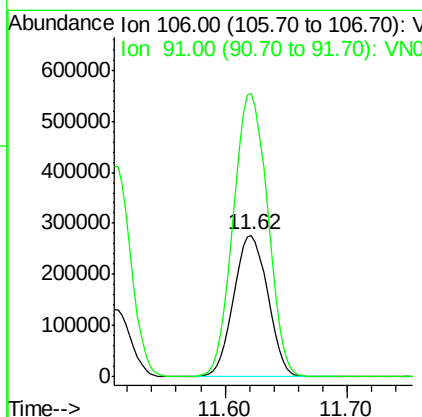
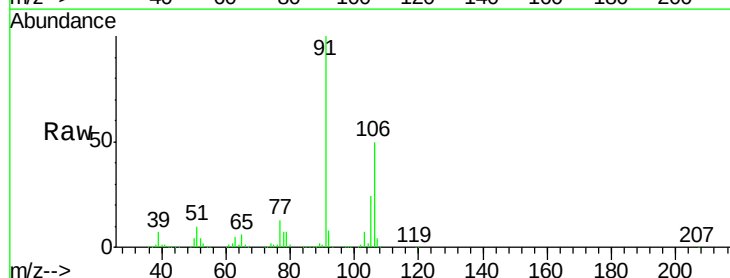
Manual Integrations
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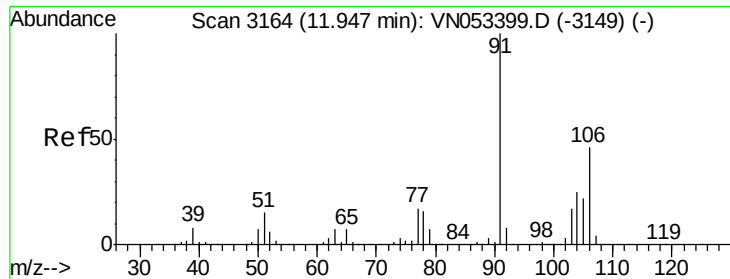
MMDadoda
1/24/2019 11:53:28 AM



#68
m/p-Xylenes
Concen: 40.015 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion: 106 Resp: 537150
Ion Ratio Lower Upper
106 100
91 201.7 161.4 242.2





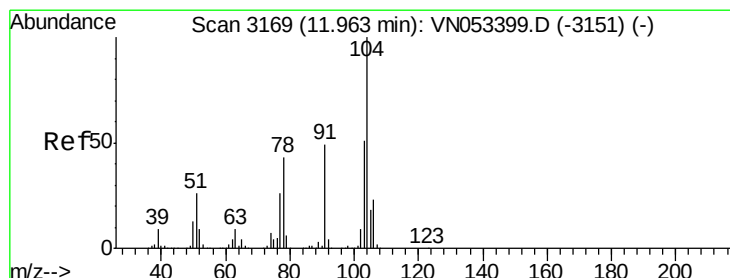
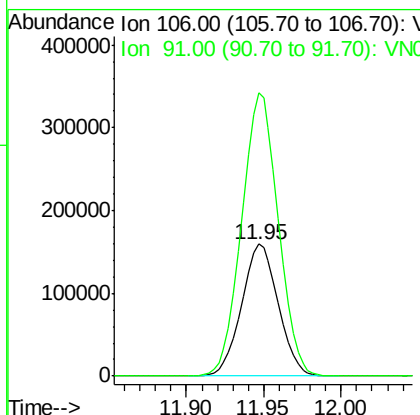
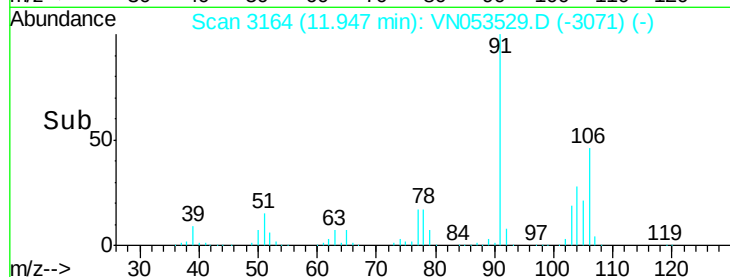
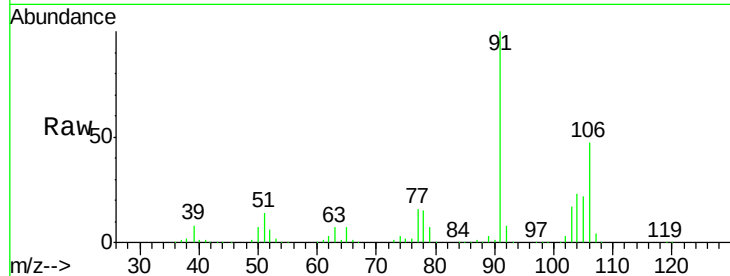
#69
o-Xylene
Concen: 20.118 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion:106 Resp: 262409
Ion Ratio Lower Upper
106 100
91 214.5 106.9 320.8

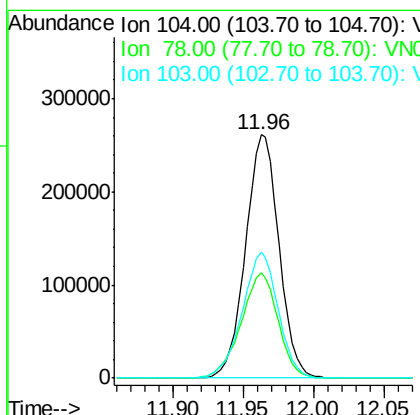
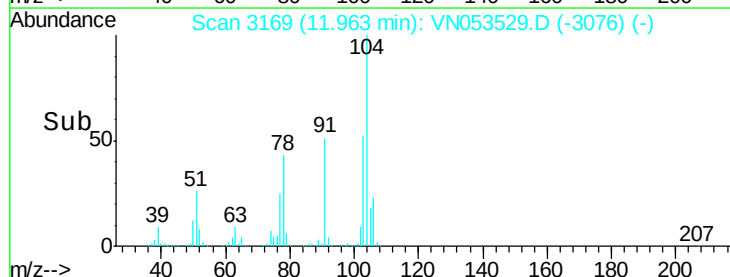
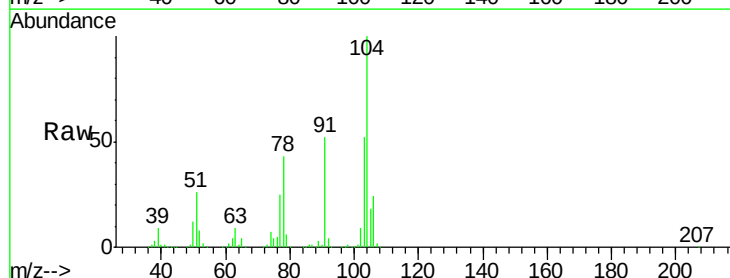
Manual Integrations
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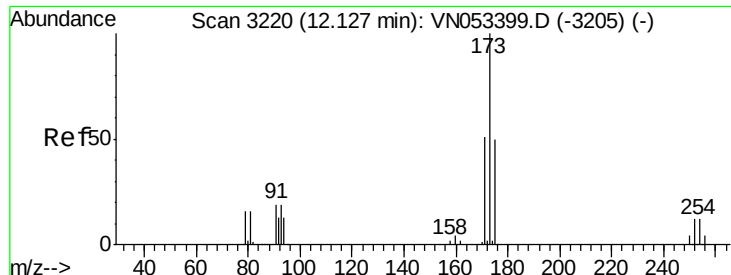
MMDadoda
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#70
Styrene
Concen: 20.484 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion:104 Resp: 433641
Ion Ratio Lower Upper
104 100
78 47.6 38.2 57.2
103 55.7 44.4 66.6





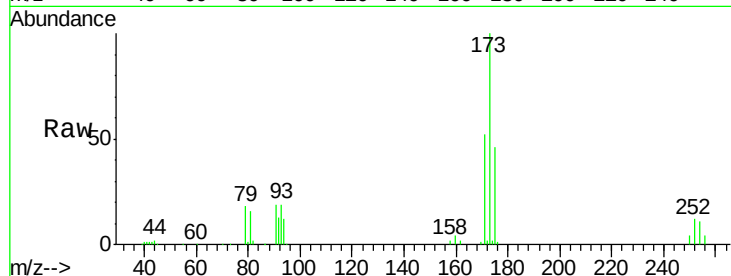
#71
Bromoform
Concen: 21.461 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.1	0.2	0.2

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1/24/2019 11:53:28 AM

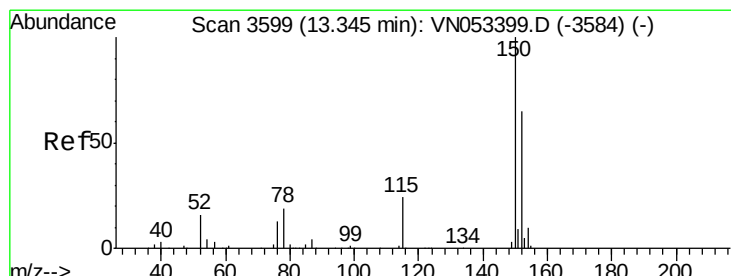
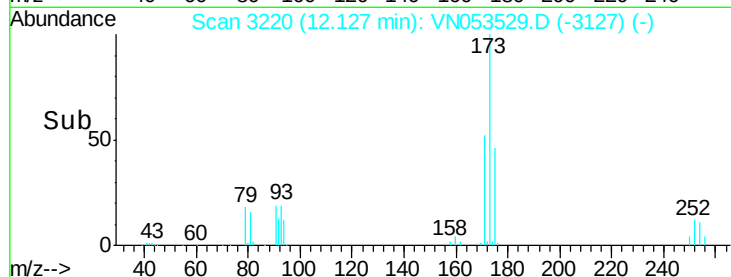
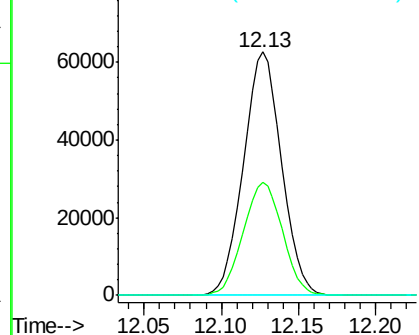


Abundance

Ion 172.70 (172.40 to 173.40): V

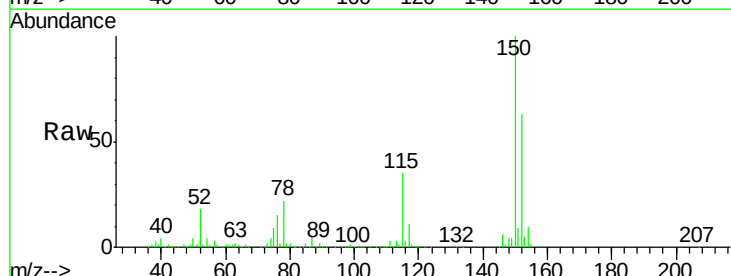
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	27.8	83.4
150	163.9	0.0	349.0

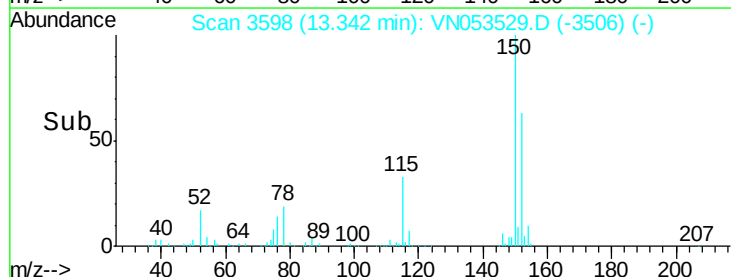
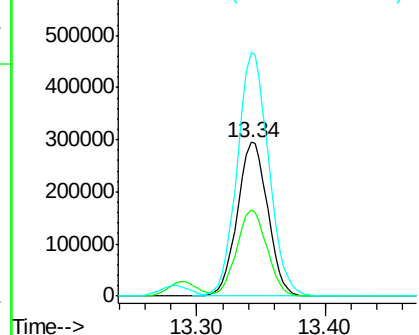


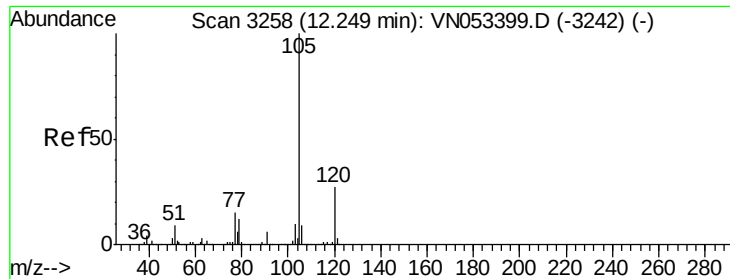
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.725 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion:105 Resp: 697161

Ion Ratio Lower Upper

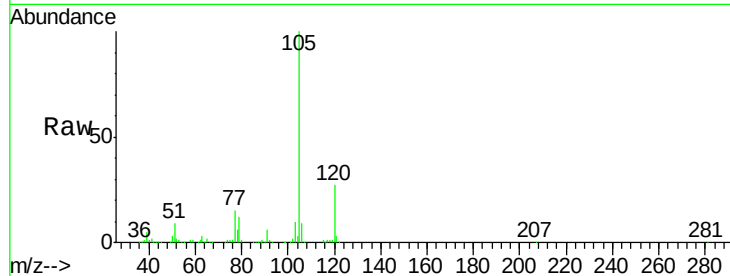
105 100

120 27.2 13.6 40.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

400000

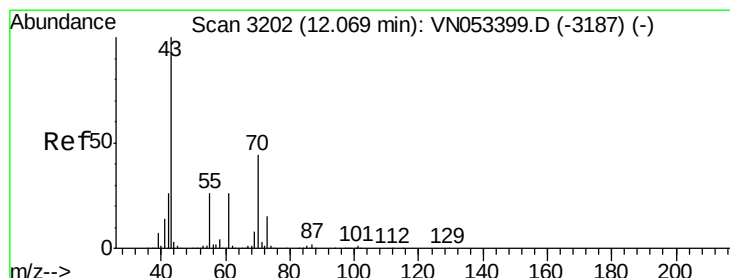
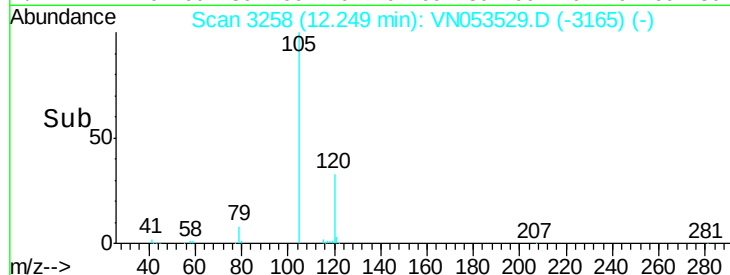
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.844 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion: 43 Resp: 196392

Ion Ratio Lower Upper

43 100

70 44.7 35.4 53.2

55 26.9 20.9 31.3

61 26.1 20.5 30.7

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

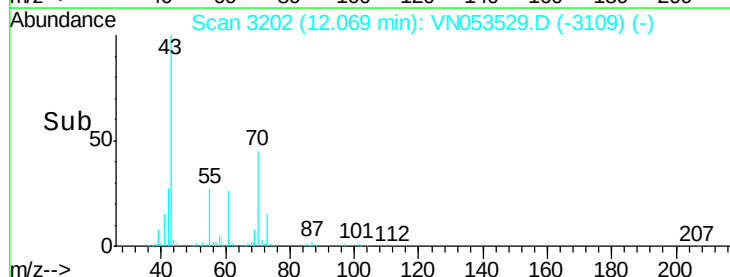
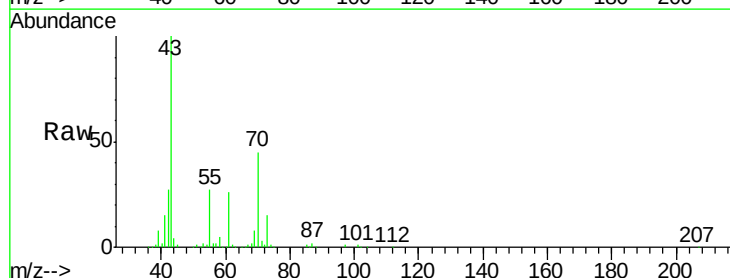
150000

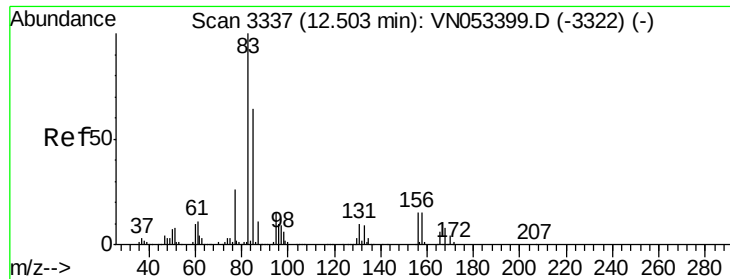
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.512 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

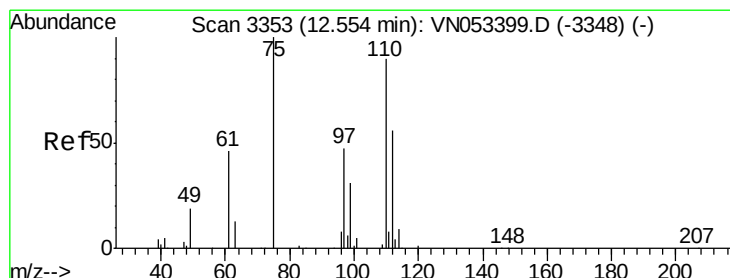
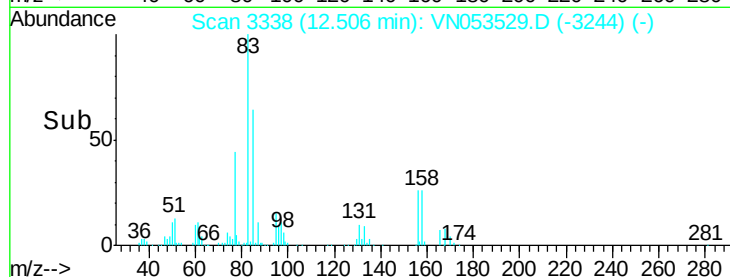
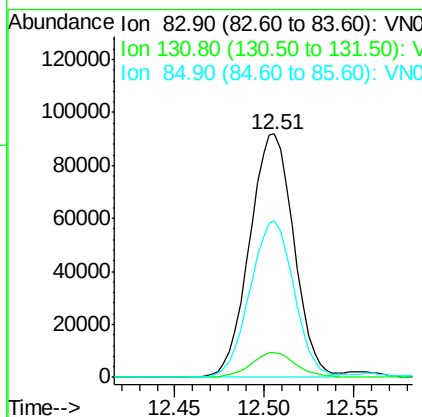
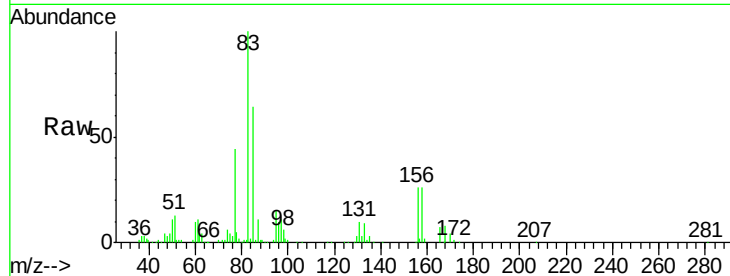
ClientSampled :

VN0123WBS01

Tot Ion:	83	Resp:	159464
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	64.0	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.224 ug/l m

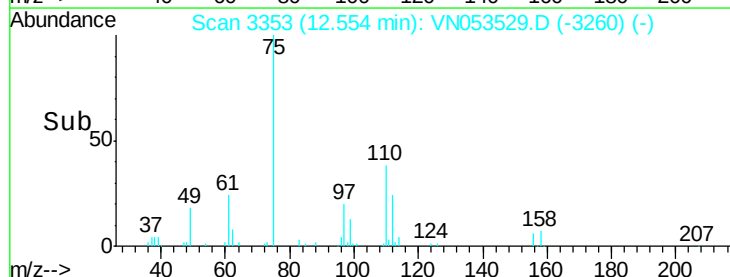
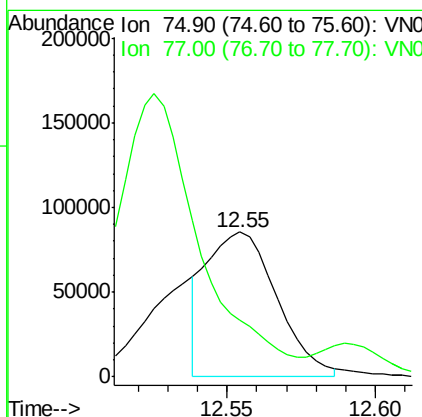
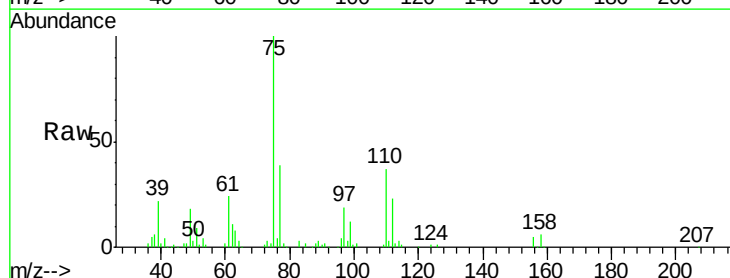
RT: 12.55 min Scan# 3353

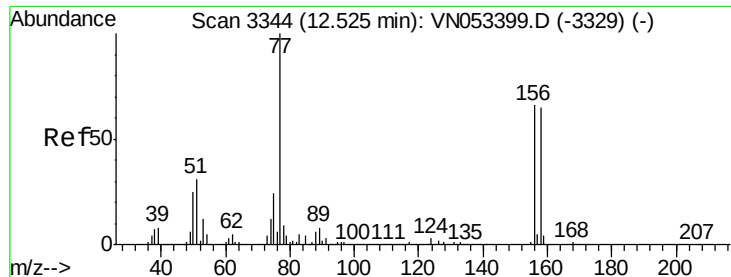
Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	75	Resp:	141352
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.766 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

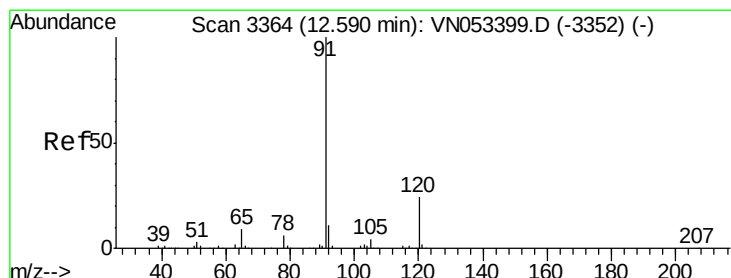
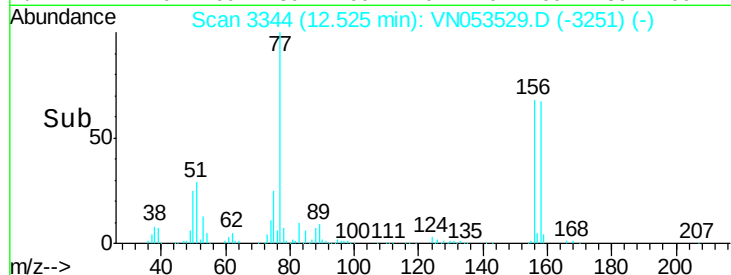
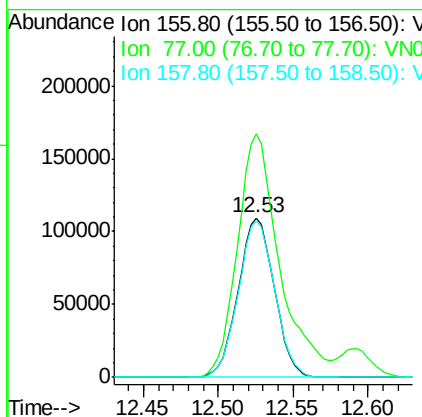
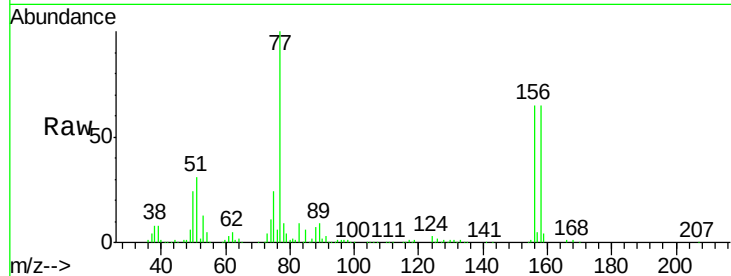
ClientSampled :

VN0123WBS01

Tot Ion:	156	Resp:	184087
Ion Ratio	Lower	Upper	
156	100		
77	177.6	87.9	263.8
158	98.9	48.8	146.4

Manual Integrations
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#78

n-propylbenzene

Concen: 19.839 ug/l

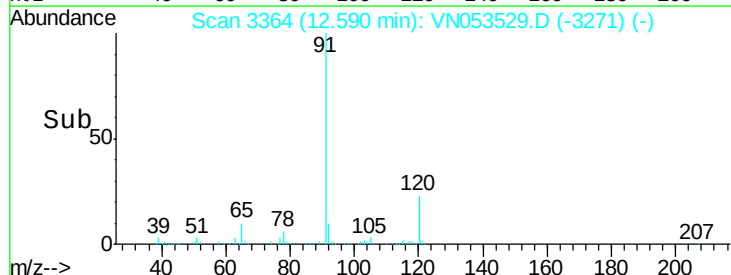
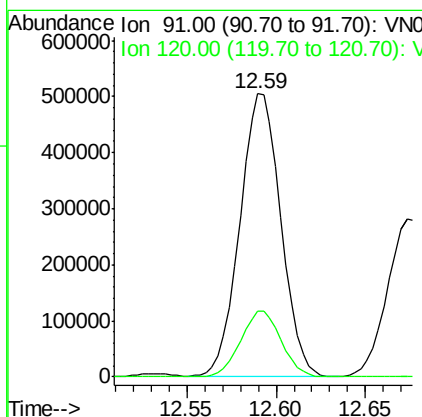
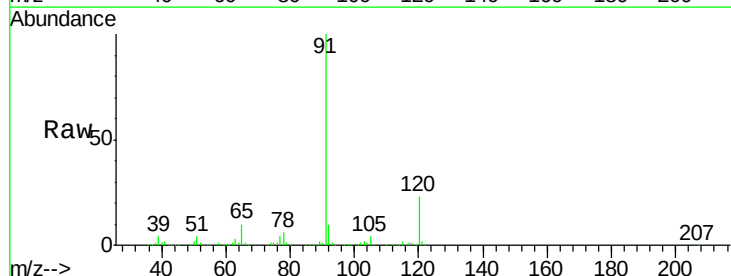
RT: 12.59 min Scan# 3364

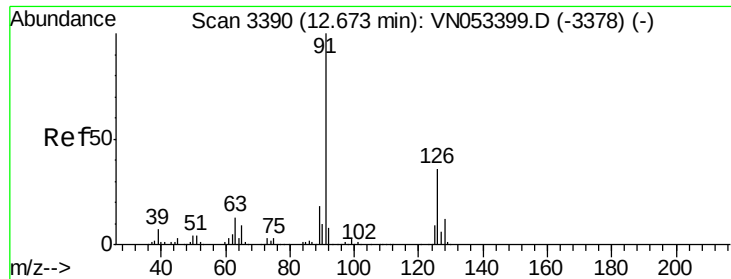
Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Tgt Ion:	91	Resp:	804911
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5





#79

2-Chlorotoluene

Concen: 19.864 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion: 91 Resp: 477693

Ion Ratio Lower Upper

91 100

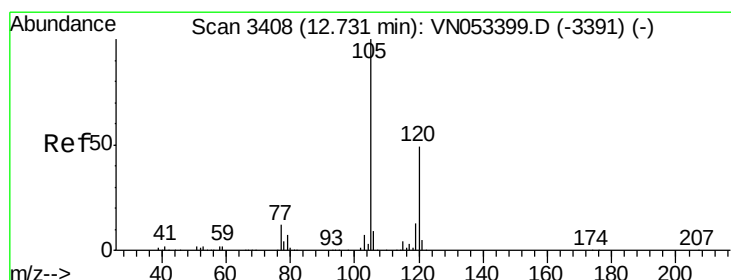
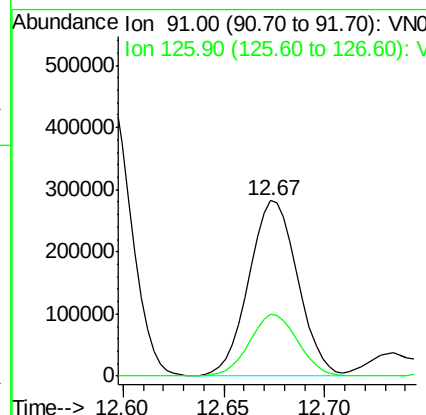
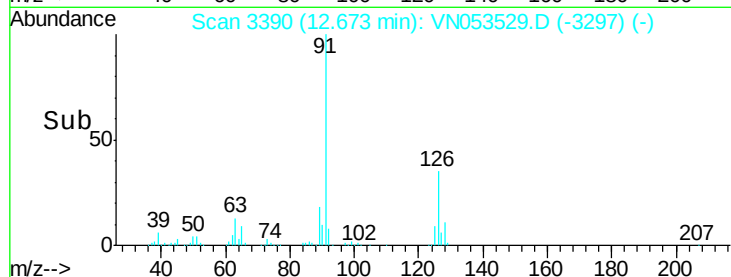
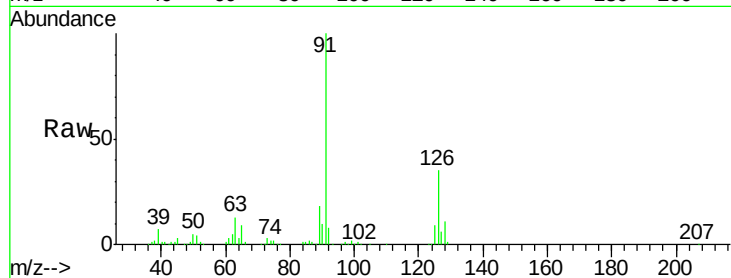
126 34.9 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.056 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053529.D

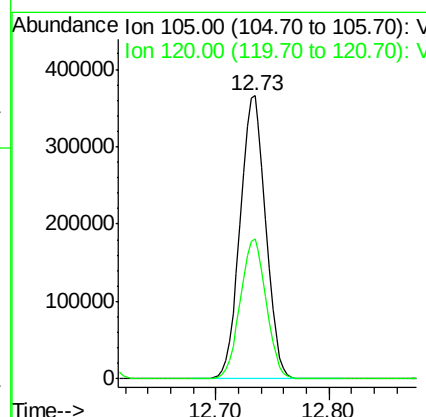
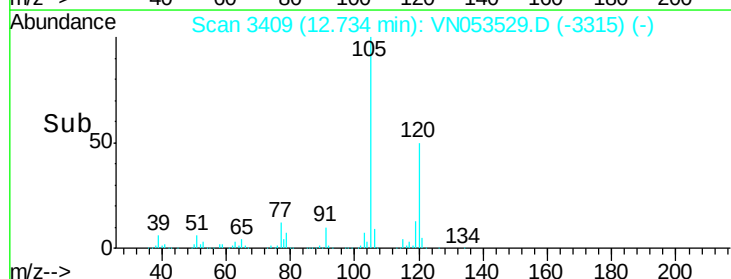
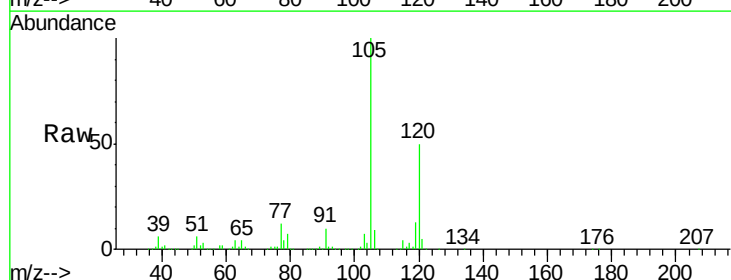
Acq: 23 Jan 2019 11:23

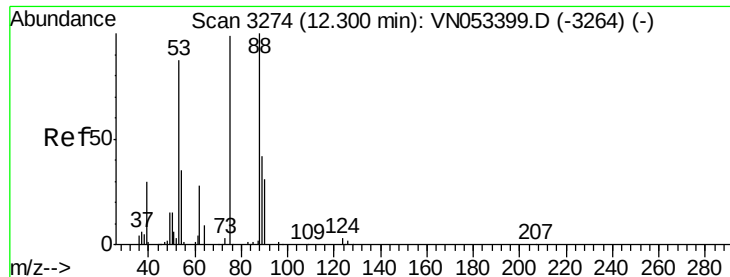
Tgt Ion: 105 Resp: 576759

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6





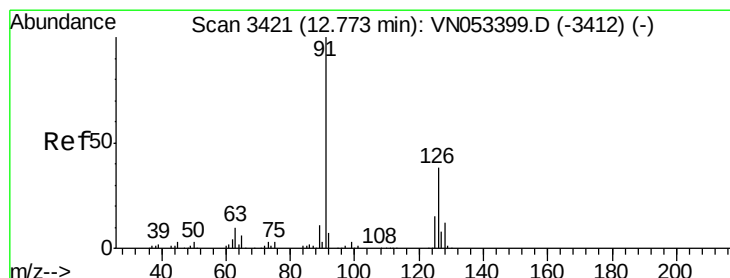
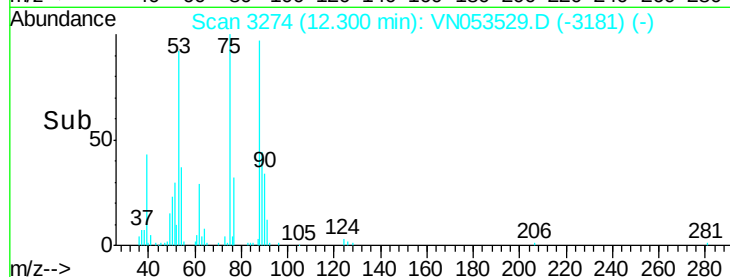
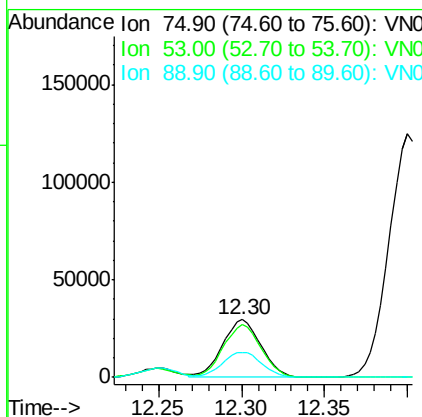
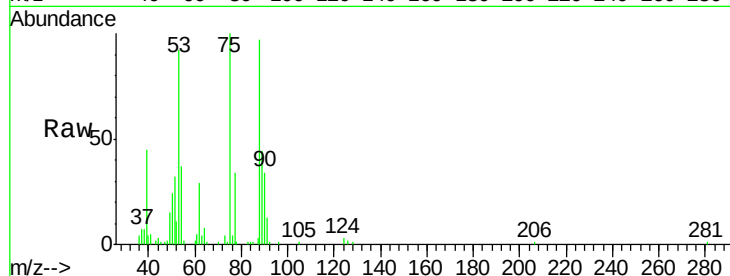
#81
trans-1,4-Dichloro-2-butene
Concen: 20.571 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.7	69.8	104.6
89	44.8	35.6	53.4

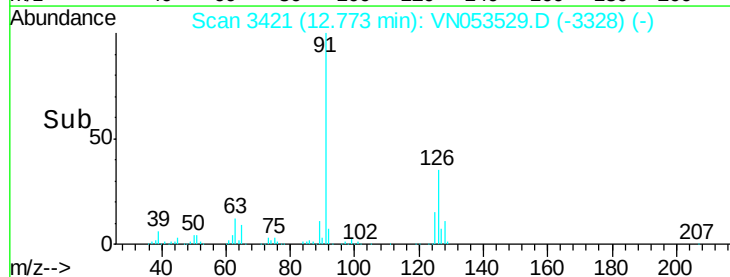
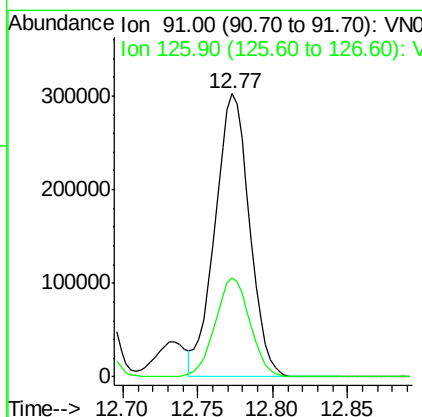
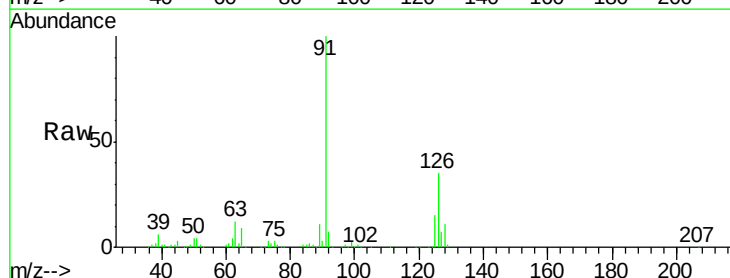
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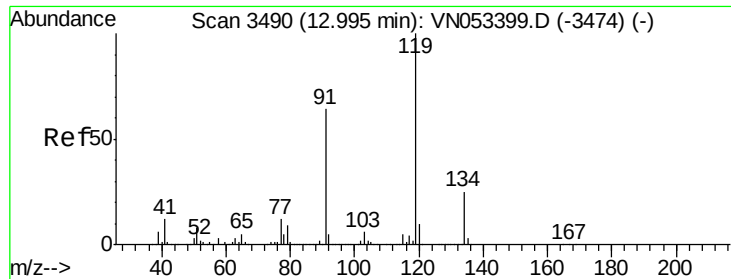
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.755 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.9





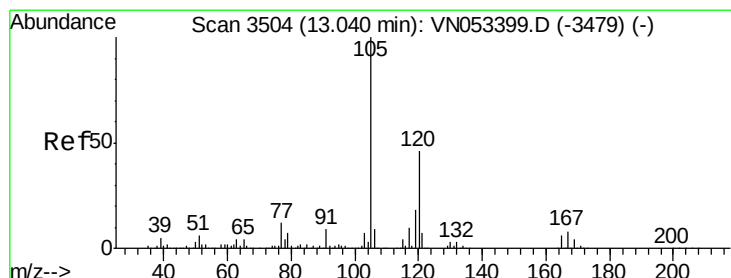
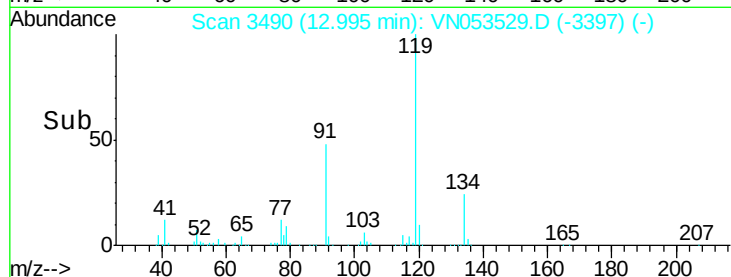
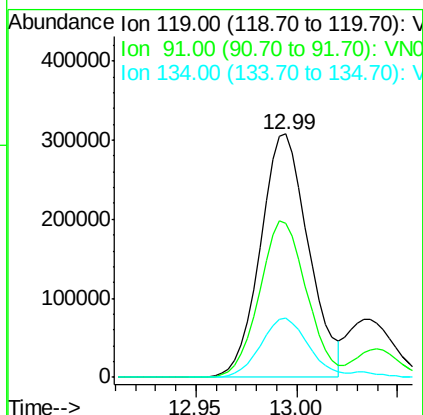
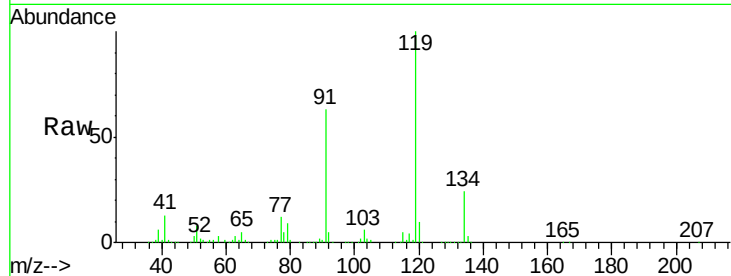
#83
 tert-Butylbenzene
 Concen: 20.171 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	512319		
91	62.7		31.3	93.8
134	25.5		12.9	38.7

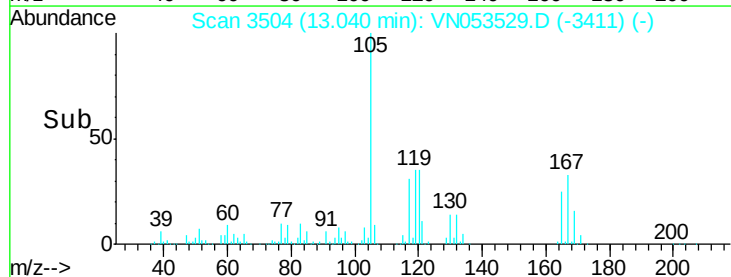
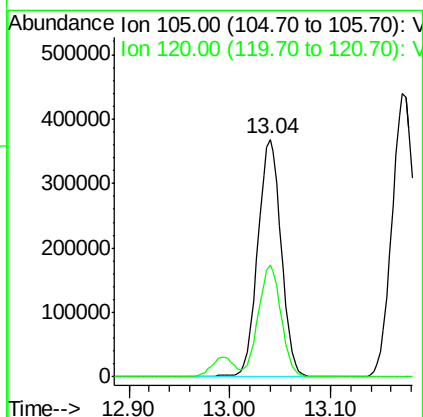
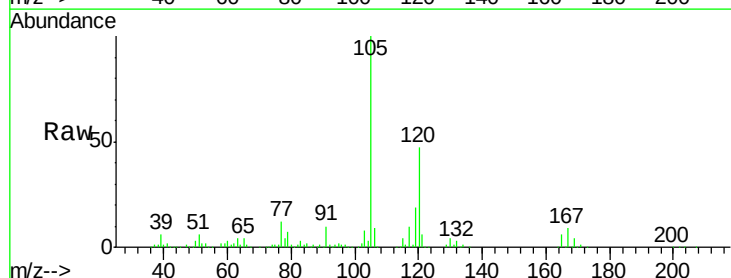
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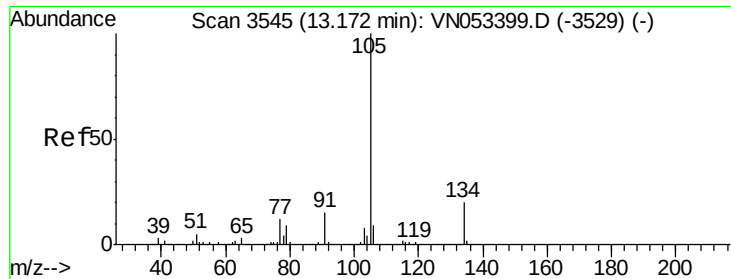
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.354 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	590196		
120	45.9		23.0	69.0





#85

sec-Butylbenzene

Concen: 19.985 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0123WBS01

Tot Ion:105 Resp: 696151

Ion Ratio Lower Upper

105 100

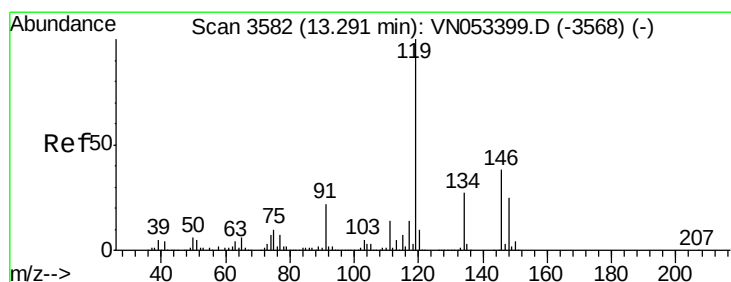
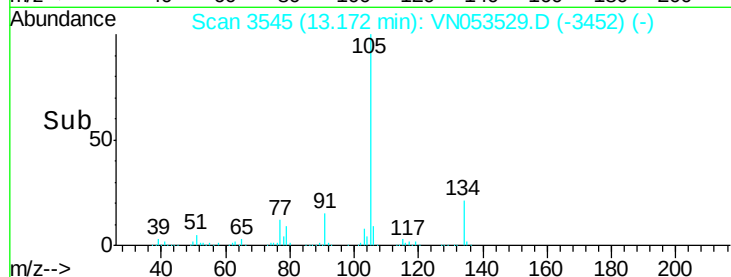
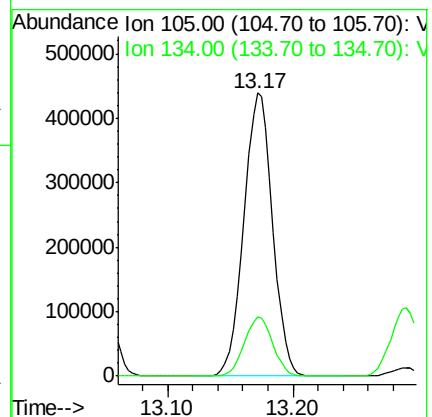
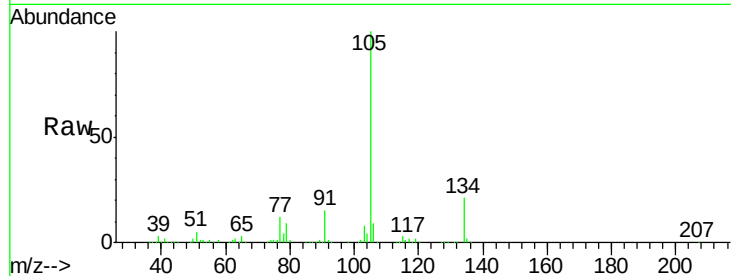
134 20.8 10.2 30.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.171 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053529.D

Acq: 23 Jan 2019 11:23

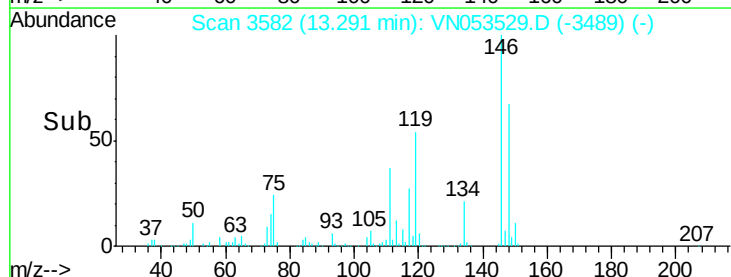
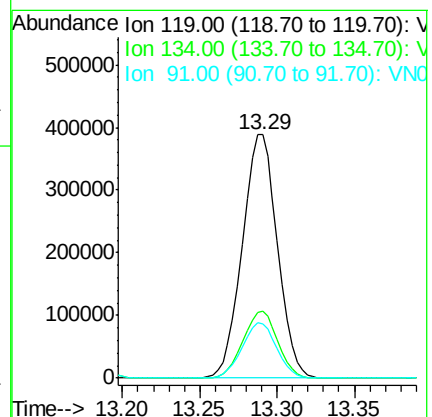
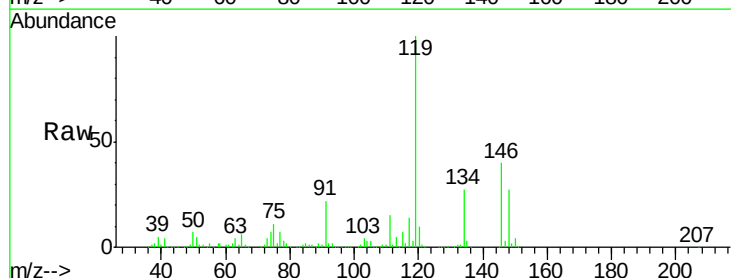
Tgt Ion:119 Resp: 610095

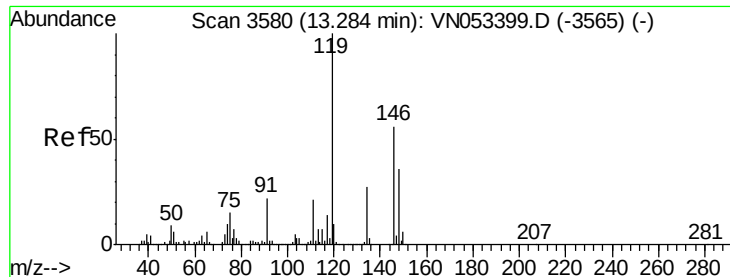
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 22.4 11.0 33.0





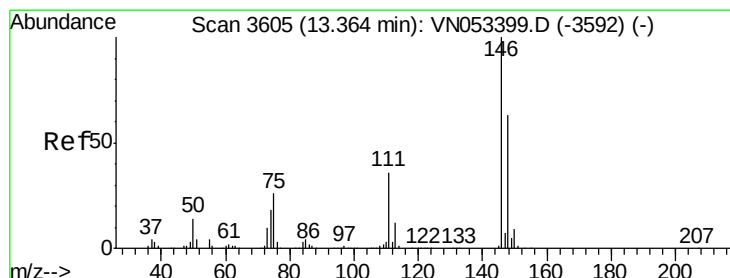
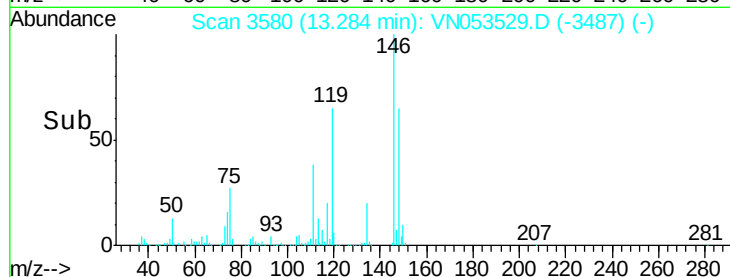
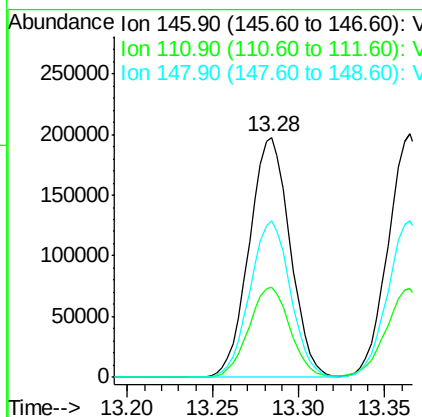
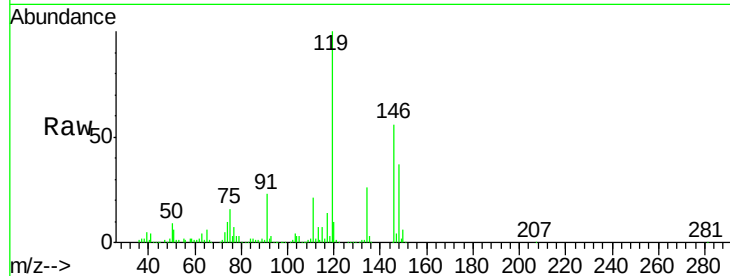
#87
 1,3-Dichlorobenzene
 Concen: 19.867 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0123WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.3
148	64.6	32.0	96.2

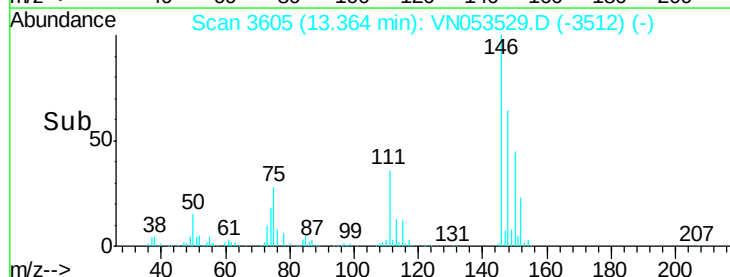
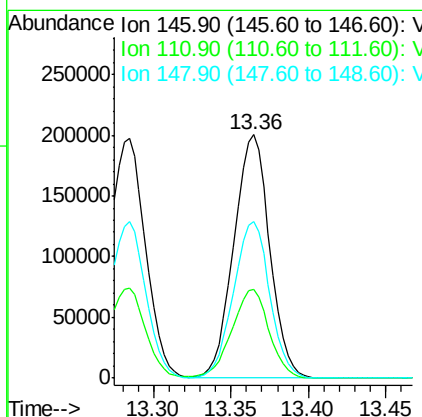
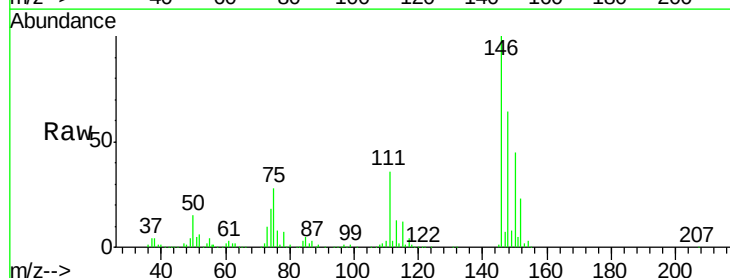
Manual Integrations
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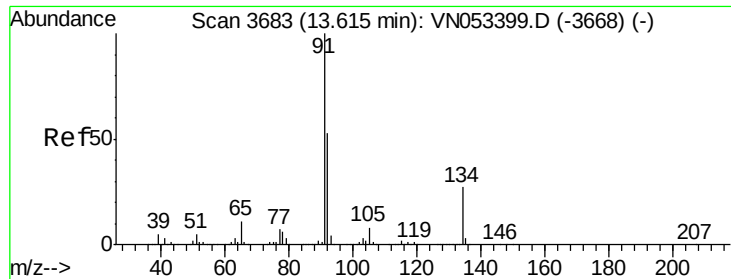
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#88
 1,4-Dichlorobenzene
 Concen: 19.645 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	64.9	32.4	97.0





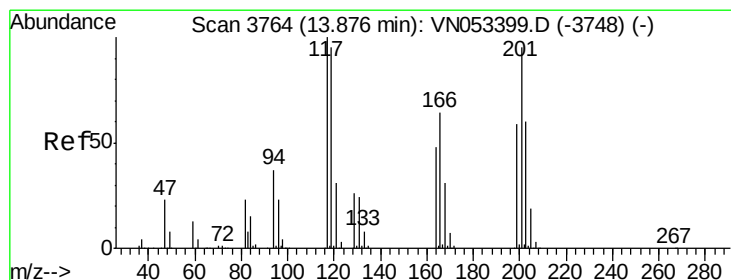
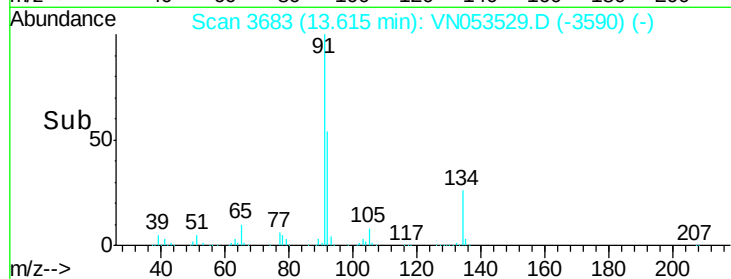
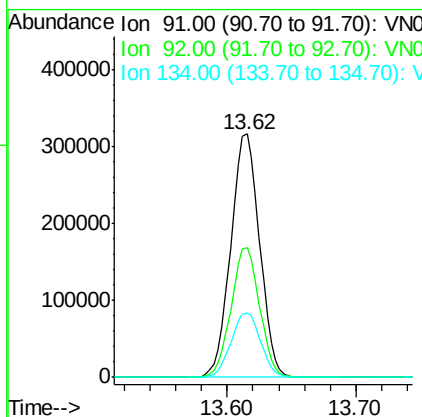
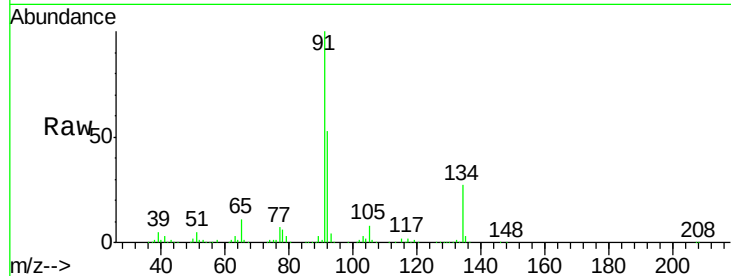
#89
n-Butylbenzene
Concen: 19.006 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.3	78.8
134	27.1	13.5	40.5

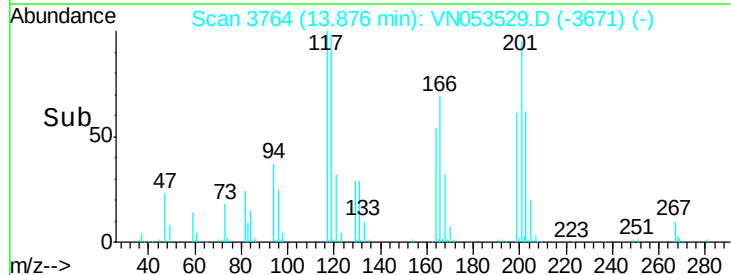
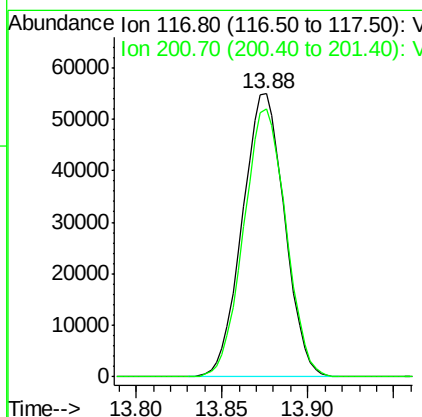
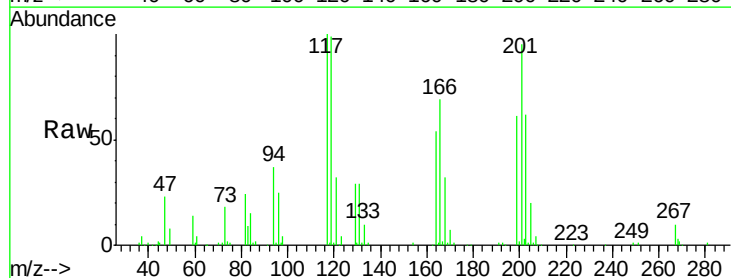
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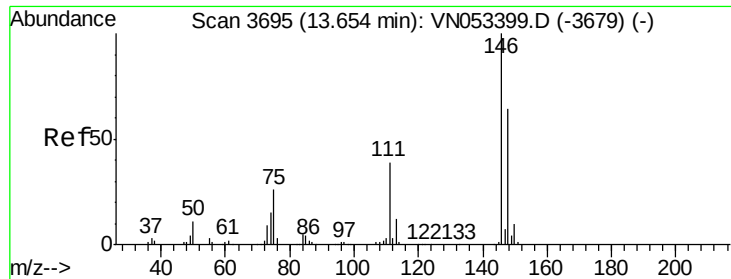
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1/24/2019 11:53:28 AM



#90
Hexachloroethane
Concen: 19.730 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.5	46.8	140.4





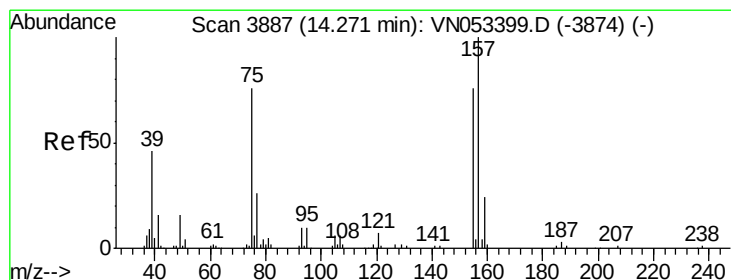
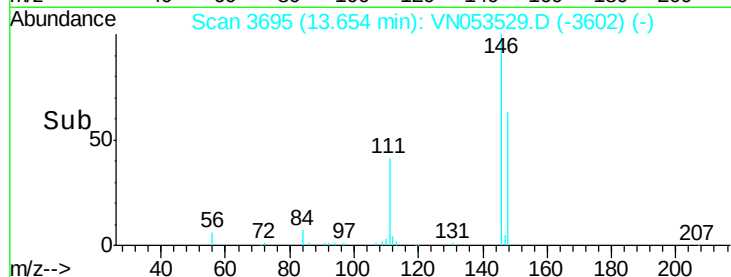
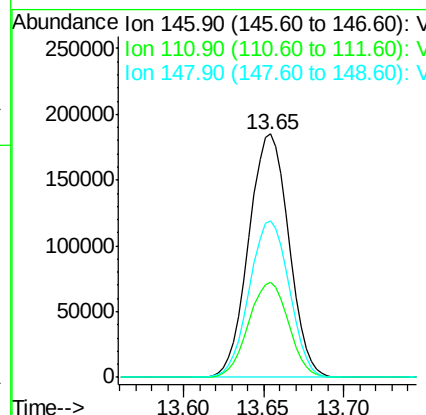
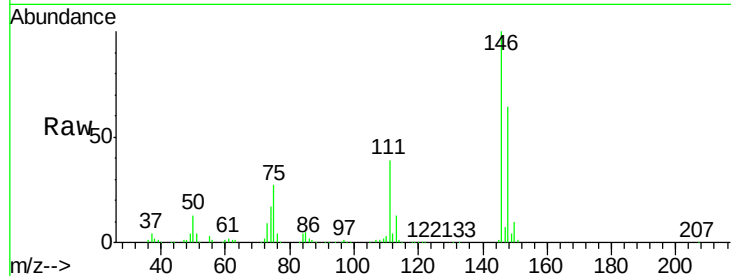
#91
 1,2-Dichlorobenzene
 Concen: 21.048 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.5	58.5
148	64.2	31.9	95.9

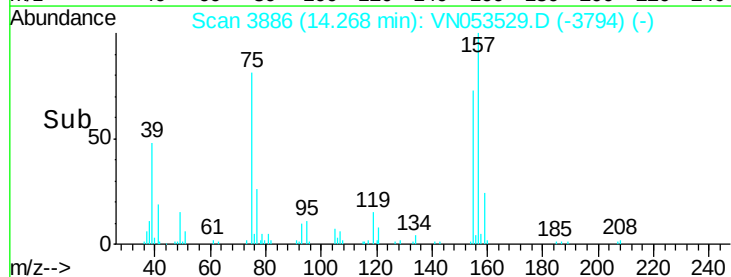
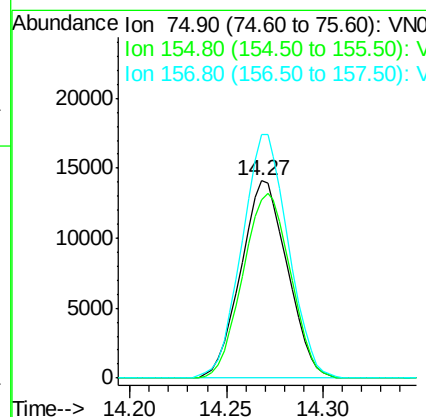
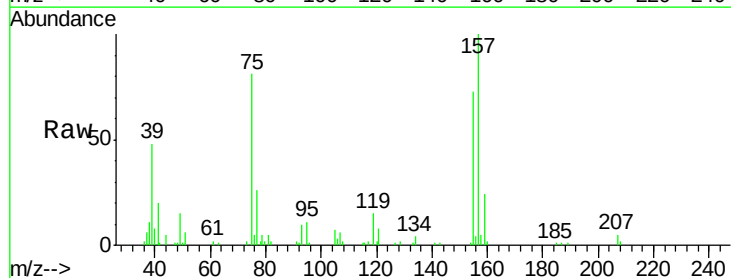
Manual Integrations
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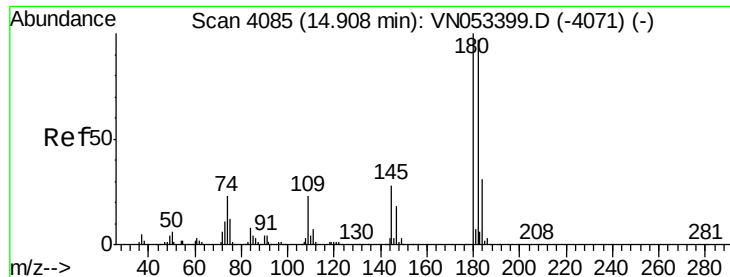
MMDadoda
 1/24/2019 11:53:28 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 25.156 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	48.9	146.7
157	122.9	63.7	191.3





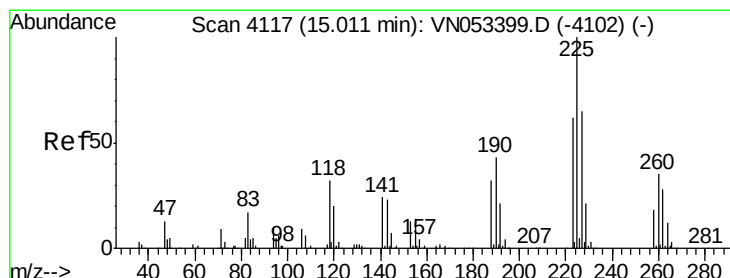
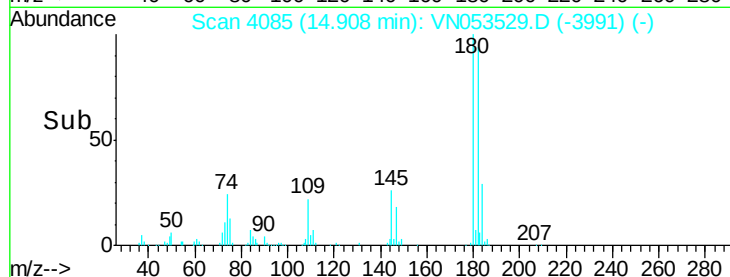
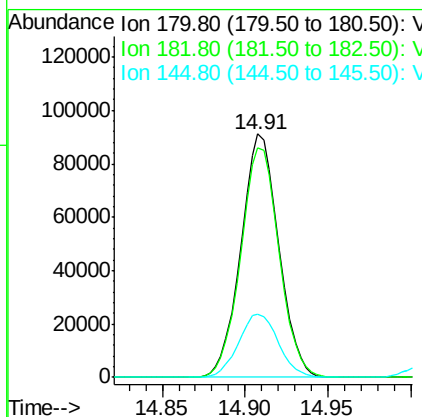
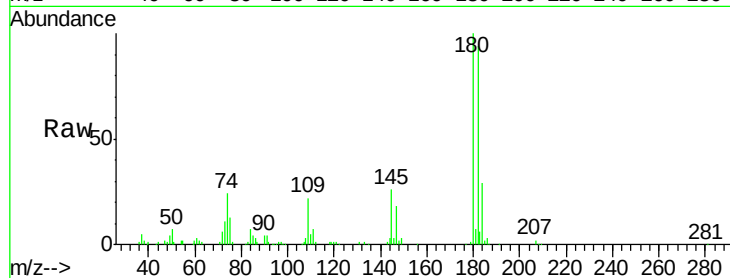
#93
 1,2,4-Trichlorobenzene
 Concen: 23.232 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0123WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	144069		
182	96.0	48.1	144.3	
145	27.4	13.9	41.6	

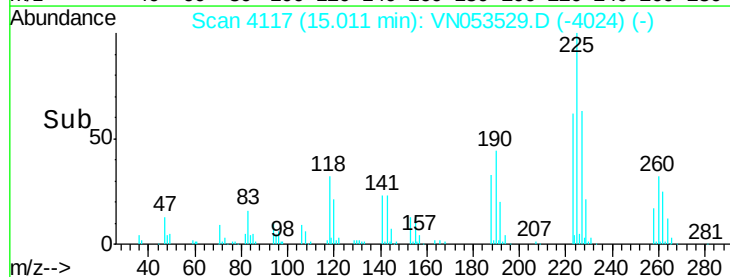
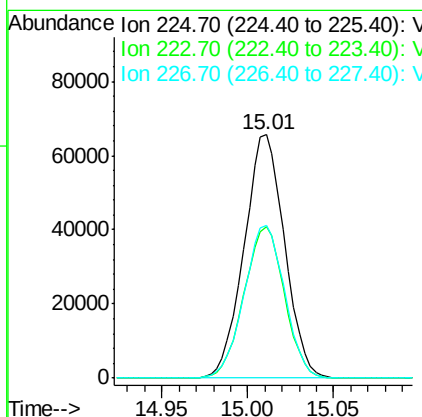
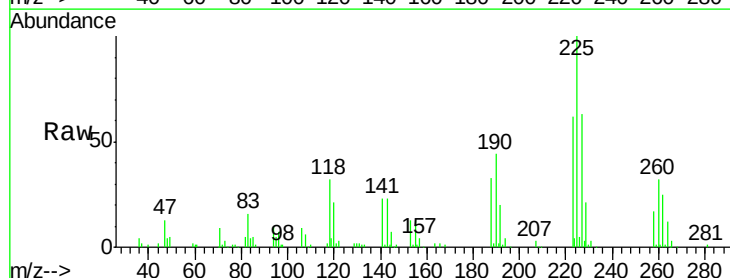
Manual Integrations
 APPROVED

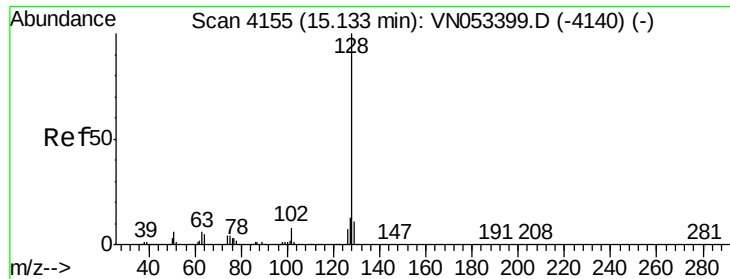
MMDadoda
 1/24/2019 11:53:28 AM



#94
 Hexachlorobutadiene
 Concen: 22.761 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053529.D
 Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	107016		
223	61.8	31.1	93.2	
227	63.1	32.0	96.2	





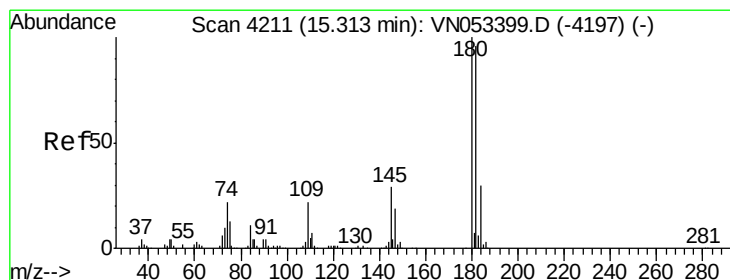
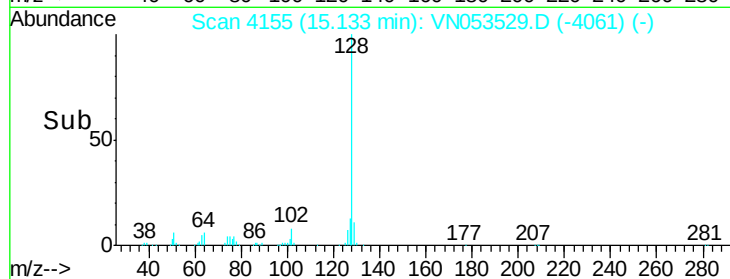
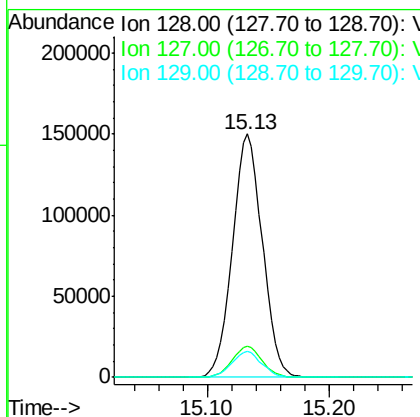
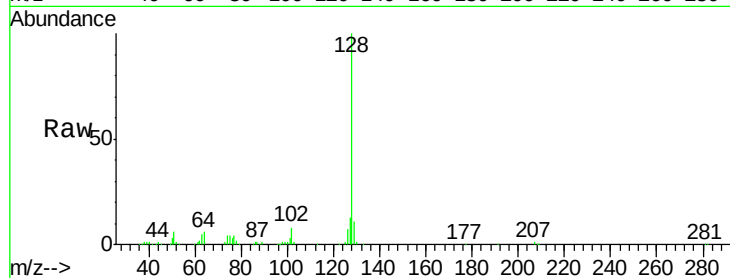
#95
Naphthalene
Concen: 24.063 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0123WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
1/24/2019 11:53:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 24.756 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN053529.D
Acq: 23 Jan 2019 11:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	30.3	14.7	44.1

