

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057584.D
 Acq On : 30 Aug 2019 13:02
 Operator : JC/SP
 Sample : VN0830WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2019 10:00:49 AM

Quant Time: Aug 31 00:21:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	82423	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	504053	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	438387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	206060	32.45	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	108.17%
60) 4-Bromofluorobenzene	12.40	95	191874	28.79	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	95.97%
63) Toluene-d8	10.08	98	616713	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	90864	20.728 ug/l	97
3) Chloromethane	2.06	50	82163	21.183 ug/l	100
4) Vinyl Chloride	2.18	62	136317	22.653 ug/l	99
5) Bromomethane	2.55	94	120380	21.776 ug/l	99
6) Chloroethane	2.70	64	92226	22.641 ug/l	95
7) Trichlorofluoromethane	3.01	101	306700	23.066 ug/l	99
8) Diethyl Ether	3.40	74	93107	21.764 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.74	101	182076	22.878 ug/l	95
10) 1,1-Dichloroethene	3.72	96	167042	22.847 ug/l	99
11) Methyl Iodide	3.93	142	278388	22.027 ug/l	99
12) Methyl Acetate	4.31	43	82548	20.941 ug/l	98
13) Acrolein	3.59	56	52564	104.641 ug/l	95
14) Acrylonitrile	4.98	53	167079	107.878 ug/l	98
15) Acetone	3.81	58	87420	104.581 ug/l	97
16) Carbon Disulfide	4.03	76	159451	20.904 ug/l	99
17) Allyl chloride	4.30	41	110724	21.226 ug/l	97
18) Methylene Chloride	4.53	84	90989	21.662 ug/l	96
19) trans-1,2-Dichloroethene	5.02	96	85331	20.438 ug/l	95
20) Diisopropyl ether	5.94	45	270870	21.745 ug/l	98
21) 1,1-Dichloroethane	5.83	63	170384	21.664 ug/l	97
22) cis-1,2-Dichloroethene	6.81	96	114657	20.607 ug/l	97
23) tert-Butyl Alcohol	4.80	59	62127	108.165 ug/l #	100
24) Methyl tert-Butyl Ether	5.03	73	284281	21.130 ug/l	97
25) Chloroform	7.36	83	197348	20.651 ug/l	98
26) Cyclohexane	7.64	56	137041	20.896 ug/l #	95
29) 1,1-Dichloropropene	7.78	75	134062	19.652 ug/l	99
30) 2-Butanone	6.82	43	226076	102.183 ug/l #	96
31) 2,2-Dichloropropane	6.81	77	153591	18.821 ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	179337	19.609 ug/l	99
33) Carbon Tetrachloride	7.76	117	147914	19.061 ug/l	94
34) Benzene	8.03	78	402549	19.683 ug/l	94
35) Methacrylonitrile	7.16	41	43169	19.714 ug/l	99
36) 1,2-Dichloroethane	8.12	62	156565	20.749 ug/l	98
37) Trichloroethene	8.83	130	112461	18.986 ug/l	99
38) Methylcyclohexane	9.07	83	162478	19.555 ug/l	98
39) 1,2-Dichloropropane	9.11	63	100387	20.060 ug/l	100
40) Dibromomethane	9.20	93	76782	19.929 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	153072	19.392	ug/l	98
42) Vinyl Acetate	5.88	43	1063065	108.150	ug/l	100
43) Ethyl Acetate	6.92	43	90239	21.148	ug/l	99
44) Isopropyl Acetate	8.16	43	175152	20.520	ug/l	100
45) 1,4-Dioxane	9.19	88	30441	414.190	ug/l #	95
46) Methyl methacrylate	9.19	41	82323	20.794	ug/l	96
47) n-amyl Acetate	12.07	43	140049	19.819	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	144175	18.401	ug/l	96
49) cis-1,3-Dichloropropene	9.83	75	158990	18.736	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	104995	19.094	ug/l	97
51) Ethyl methacrylate	10.43	69	141933	19.831	ug/l	94
52) 1,3-Dichloropropane	10.71	76	168526	19.669	ug/l	97
53) Dibromochloromethane	10.90	129	111837	18.064	ug/l	99
54) 1,2-Dibromoethane	11.00	107	105948	18.589	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	162718	92.627	ug/l	98
56) Bromoform	12.13	173	67715	16.725	ug/l #	97
58) 4-Methyl-2-Pentanone	9.98	43	499631	112.786	ug/l	99
59) 2-Hexanone	10.75	43	335162	107.006	ug/l	98
61) Tetrachloroethene	10.63	164	111894	19.965	ug/l	98
62) Toluene	10.15	91	472243	21.244	ug/l	99
64) Chlorobenzene	11.43	112	281649	19.675	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	111687	19.661	ug/l	98
66) Ethyl Benzene	11.51	91	509666	21.313	ug/l	99
67) m/p-Xylenes	11.62	106	380036	39.720	ug/l	100
68) o-Xylene	11.95	106	186710	19.422	ug/l	100
69) Styrene	11.96	104	293584	19.268	ug/l	99
70) Isopropylbenzene	12.25	105	512494	21.268	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	127967	19.965	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	119415m	21.946	ug/l	
73) Bromobenzene	12.53	156	116194	18.863	ug/l	98
74) n-propylbenzene	12.59	91	530830	21.369	ug/l	100
75) 2-Chlorotoluene	12.67	91	319795	19.931	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	423087	20.747	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	31187	18.096	ug/l	99
78) 4-Chlorotoluene	12.77	91	300210	19.450	ug/l	100
79) tert-butylbenzene	12.99	119	381051	20.446	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	401867	20.906	ug/l	97
81) sec-Butylbenzene	13.17	105	473047	20.880	ug/l	99
82) p-Isopropyltoluene	13.29	119	411718	20.492	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	179690	18.034	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	169809	17.769	ug/l	97
85) n-Butylbenzene	13.62	91	300214	19.187	ug/l	99
86) Hexachloroethane	13.88	117	69251	18.025	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	180373	18.835	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18215	18.924	ug/l	97
89) 1,2,4-Trichlorobenzene	14.91	180	47220	13.381	ug/l	100
90) Hexachlorobutadiene	15.01	225	57781	19.037	ug/l	97
91) Naphthalene	15.13	128	144659	14.729	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	48471	13.865	ug/l	98

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ClientSampleId :
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Manual Integrations
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QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration

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

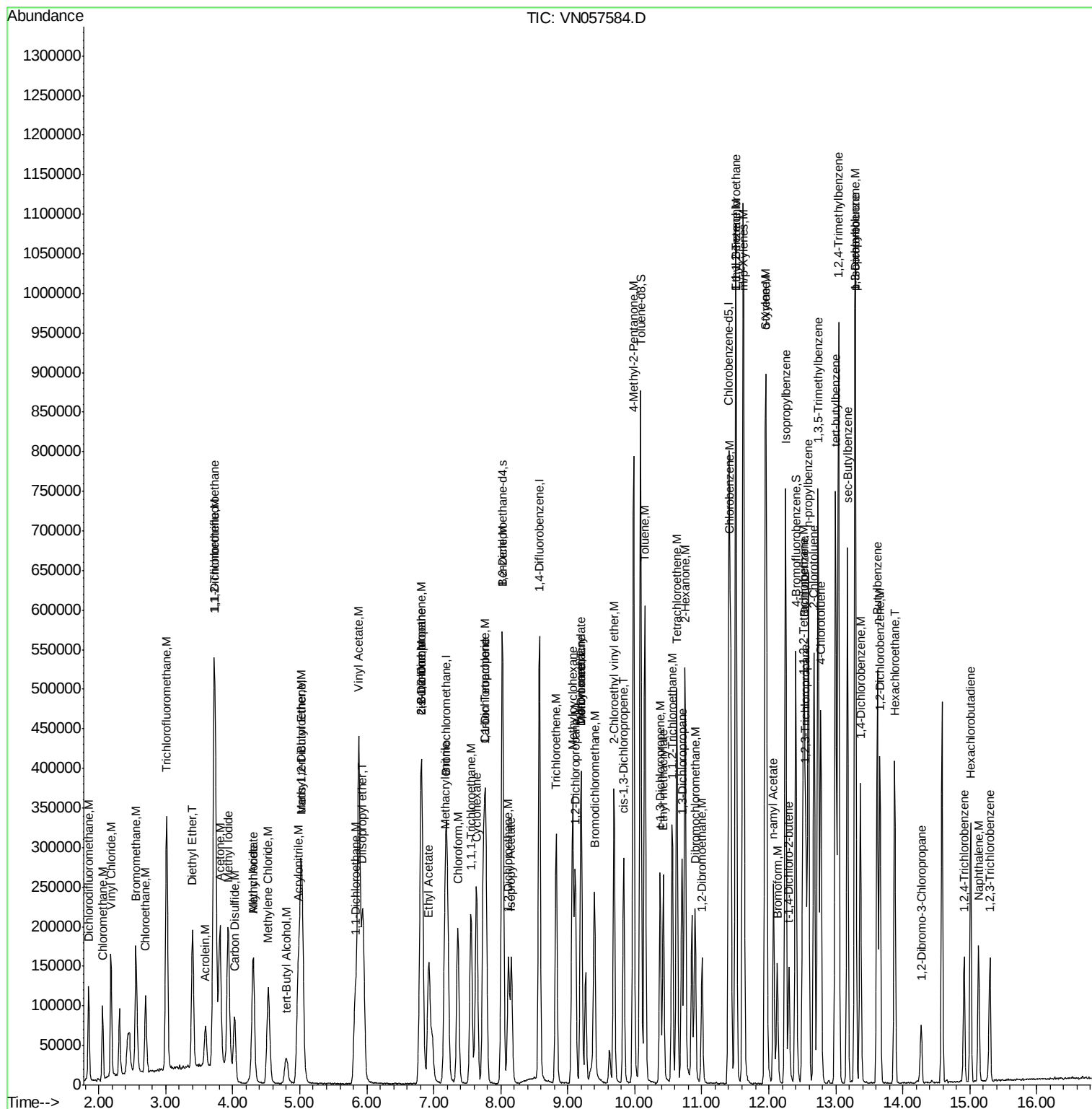
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057584.D
 Acq On : 30 Aug 2019 13:02
 Operator : JC/SP
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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

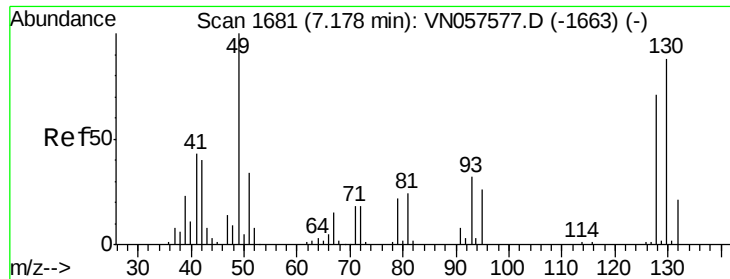
Instrument :
 MSVOA_N
 Client Sampled :
 VN0830WBS01

Manual Integrations
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Quant Time: Aug 31 00:21:27 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

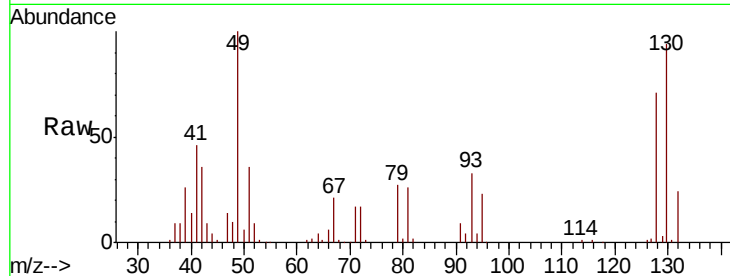
ClientSampleId :

VN0830WBS01

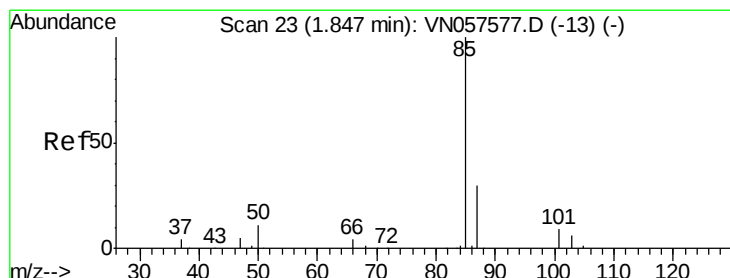
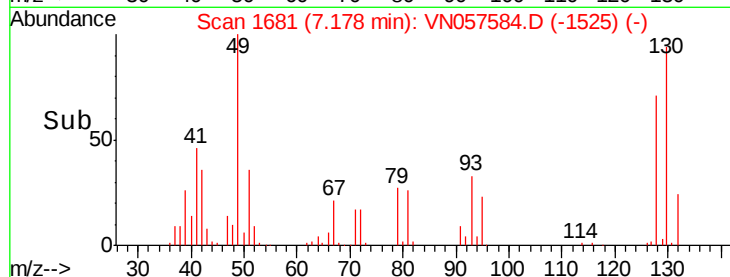
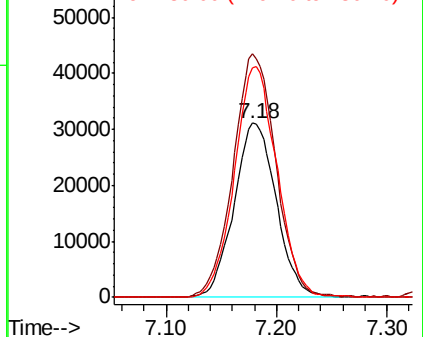
Tgt Ion:	128	Resp:	82423
Ion	Ratio	Lower	Upper
128	100		
49	141.9	0.0	352.3
130	133.7	0.0	324.7

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



#2

Dichlorodifluoromethane

Concen: 20.728 ug/l

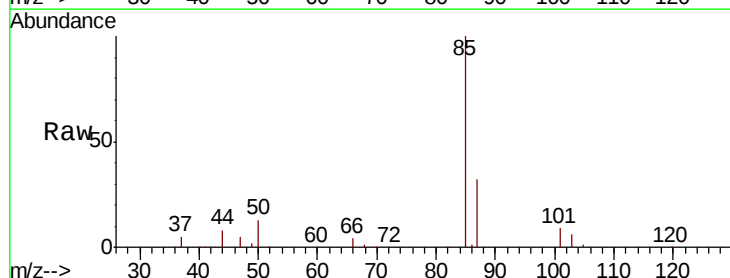
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

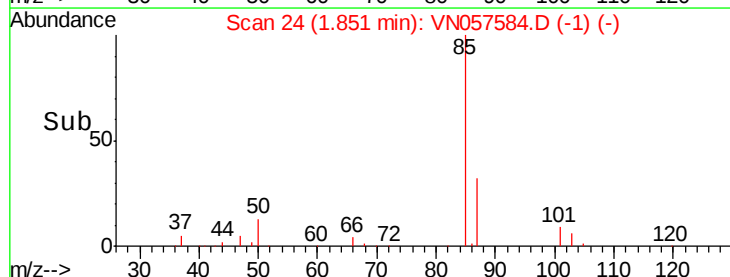
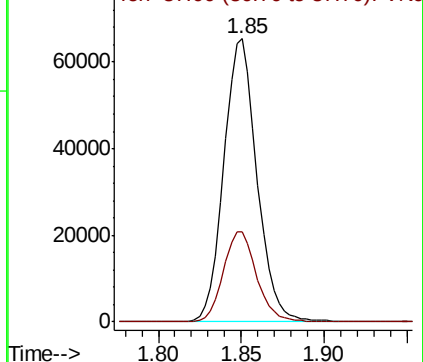
Lab File: VN057584.D

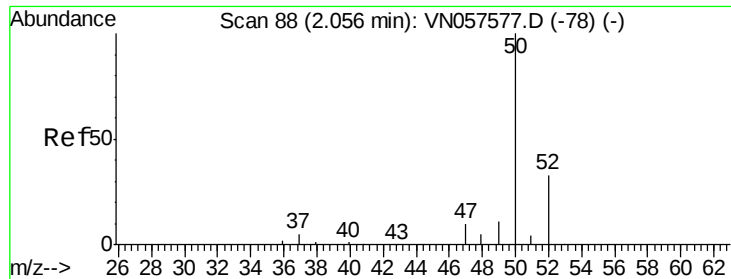
Acq: 30 Aug 2019 13:02

Tgt Ion:	85	Resp:	90864
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.0	45.0



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





#3

Chloromethane

Concen: 21.183 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 50 Resp: 82163

Ion Ratio Lower Upper

50 100

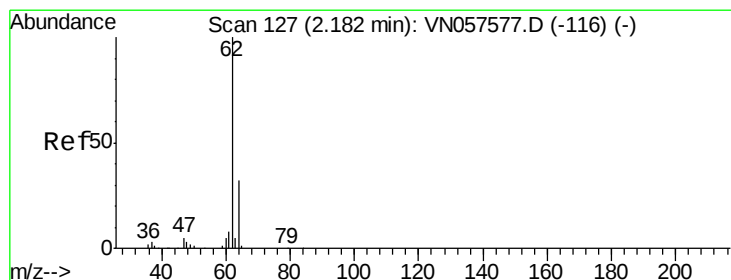
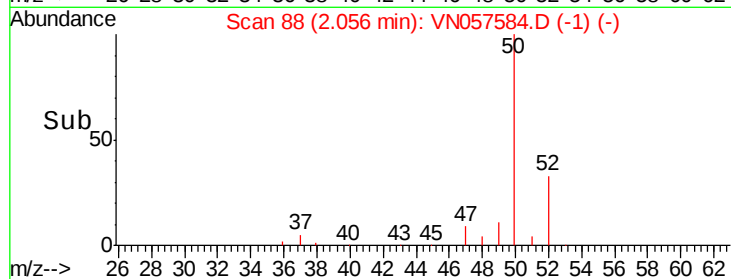
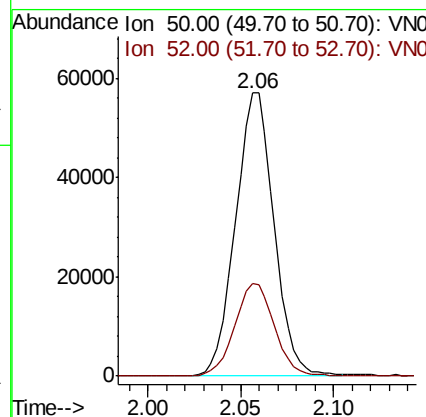
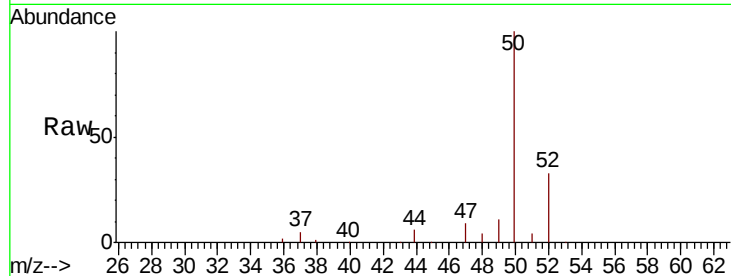
52 32.8 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.653 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057584.D

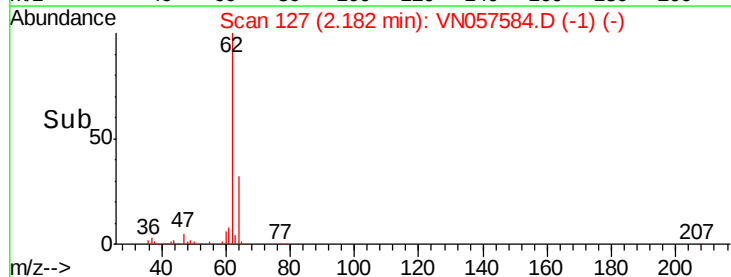
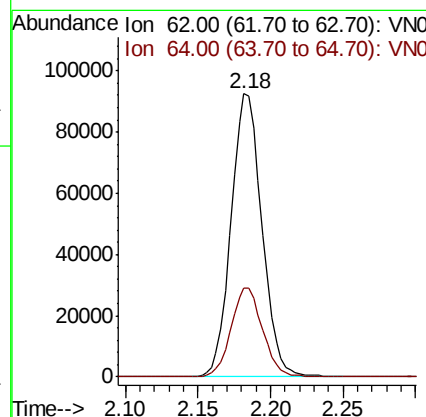
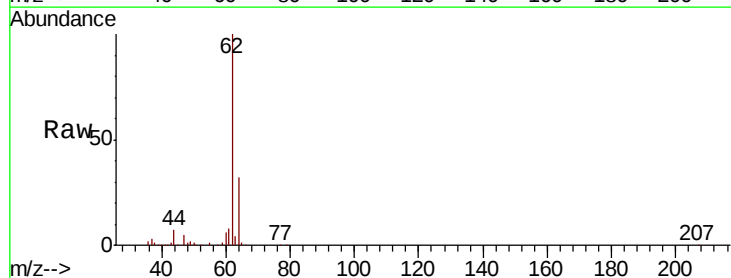
Acq: 30 Aug 2019 13:02

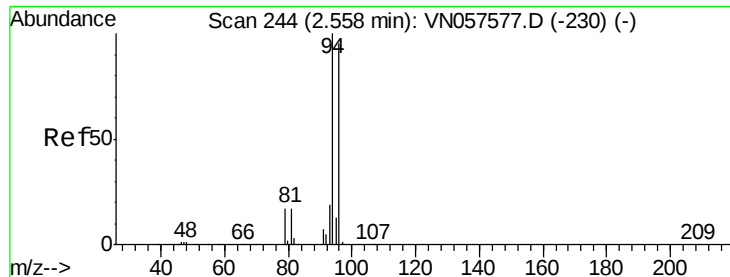
Tgt Ion: 62 Resp: 136317

Ion Ratio Lower Upper

62 100

64 31.6 25.9 38.9





#5

Bromomethane

Concen: 21.776 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 94 Resp: 120380

Ion Ratio Lower Upper

94 100

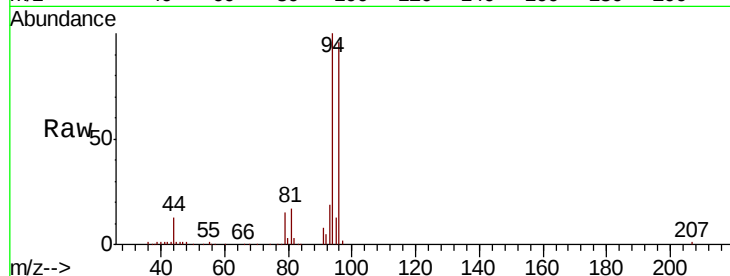
96 95.9 76.2 114.4

Manual Integrations

APPROVED

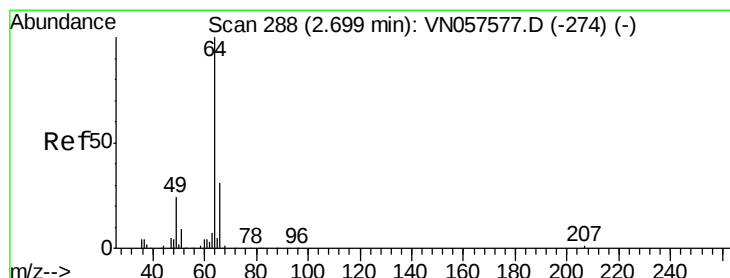
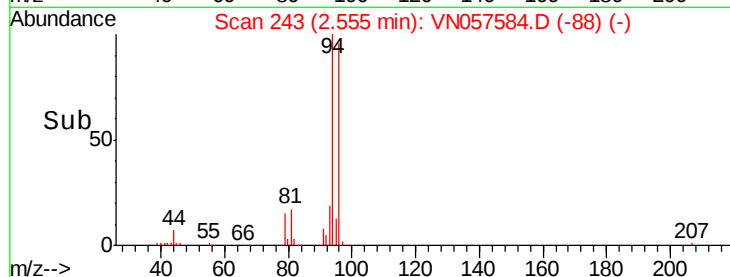
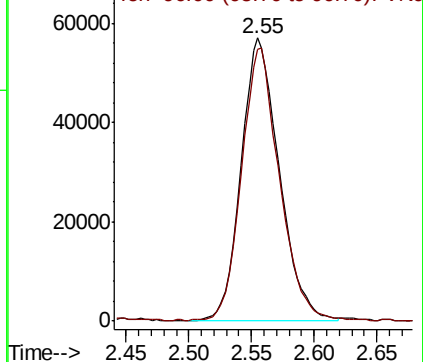
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 22.641 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN057584.D

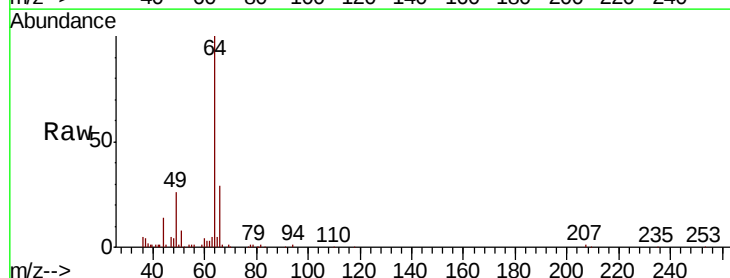
Acq: 30 Aug 2019 13:02

Tgt Ion: 64 Resp: 92226

Ion Ratio Lower Upper

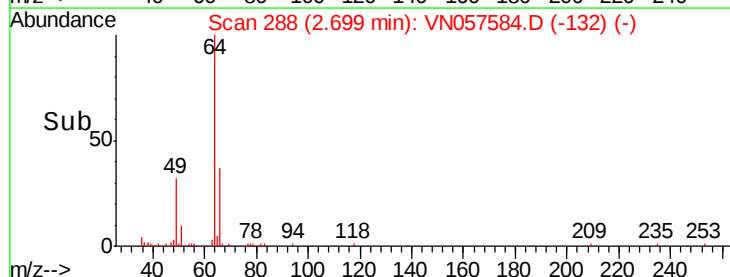
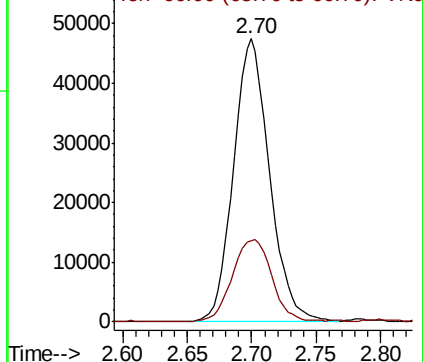
64 100

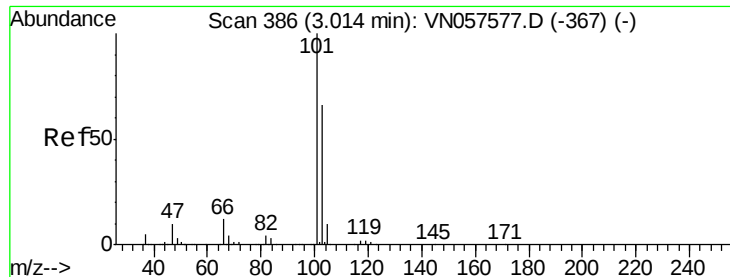
66 28.9 25.1 37.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

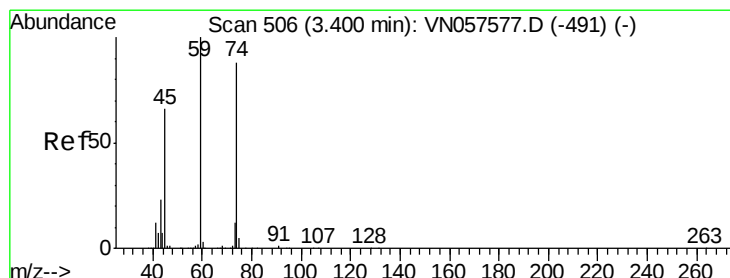
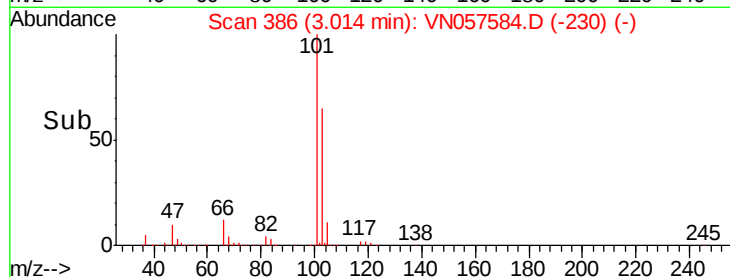
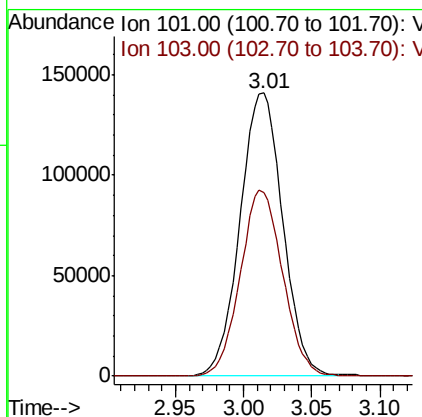
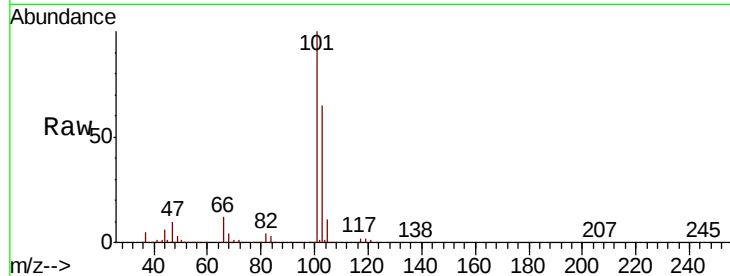
Trichlorofluoromethane
 Concen: 23.066 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
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 VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	306700		
103	65.0	52.4	78.6	

Manual Integrations
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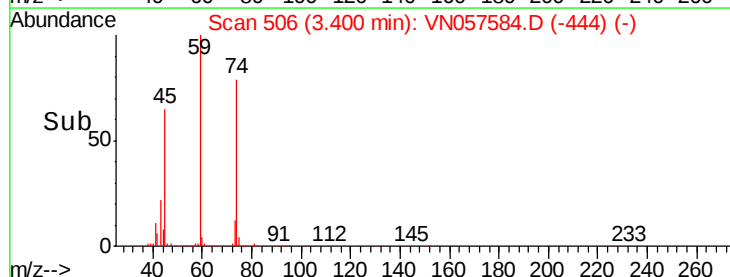
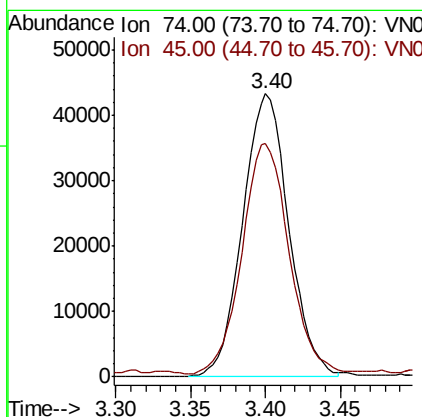
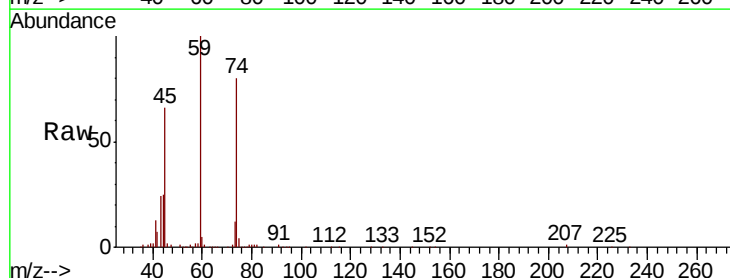
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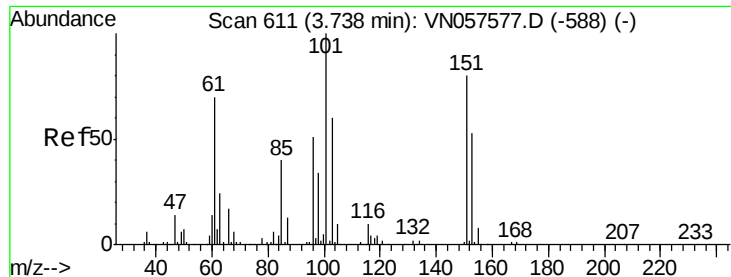


#8

Diethyl Ether
 Concen: 21.764 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	93107		
45	82.8	15.2	137.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.878 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

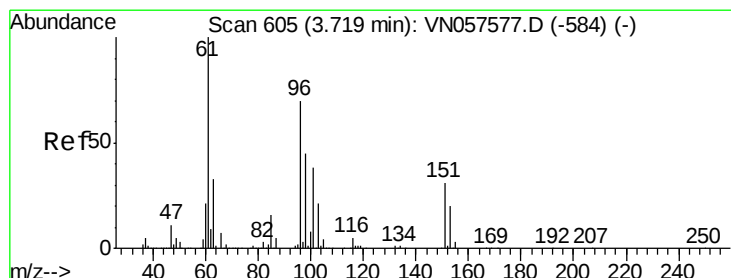
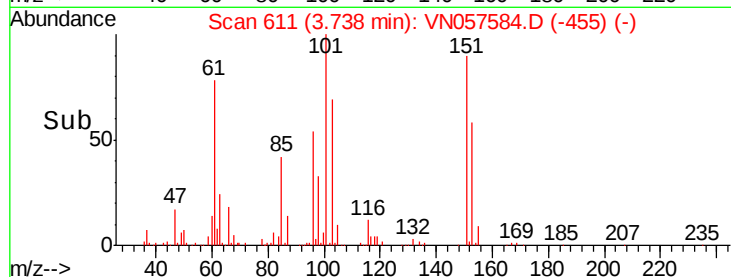
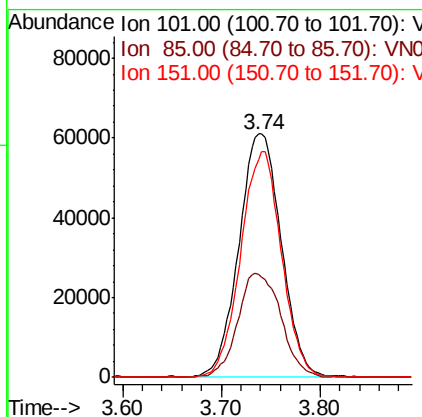
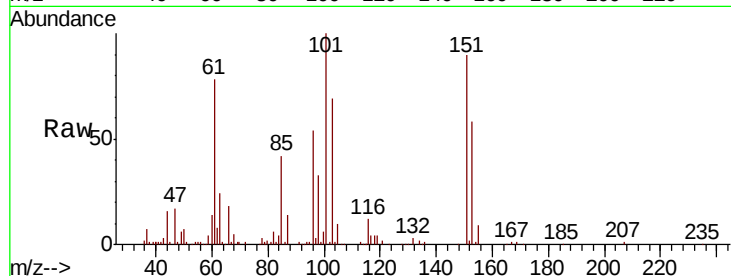
ClientSampleId :

VN0830WBS01

Tgt Ion:	101	Resp:	182076
Ion Ratio	Lower	Upper	
101	100		
85	43.2	0.0	83.2
151	88.9	0.0	166.6

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#10

1,1-Dichloroethene

Concen: 22.847 ug/l

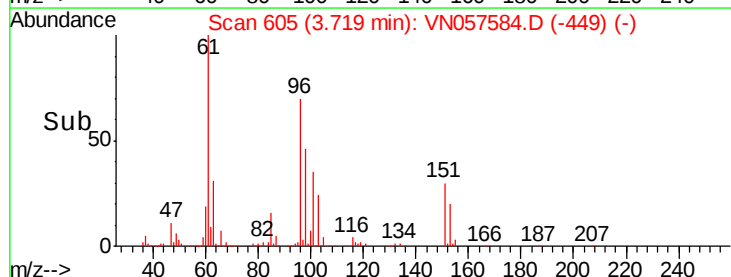
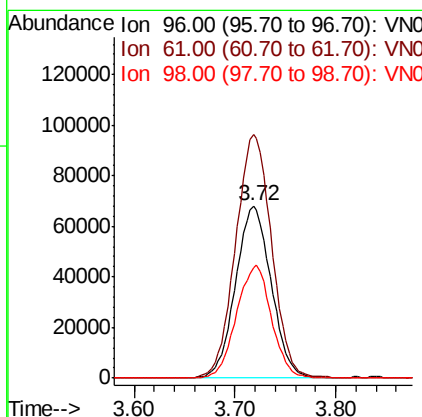
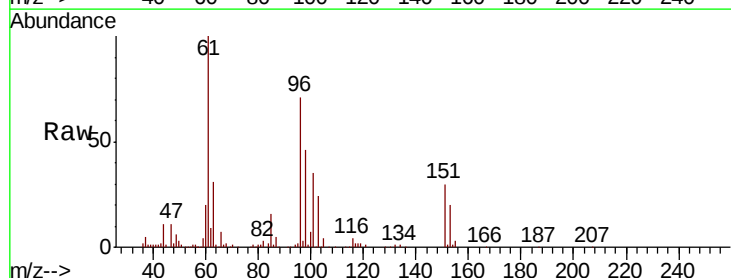
RT: 3.72 min Scan# 605

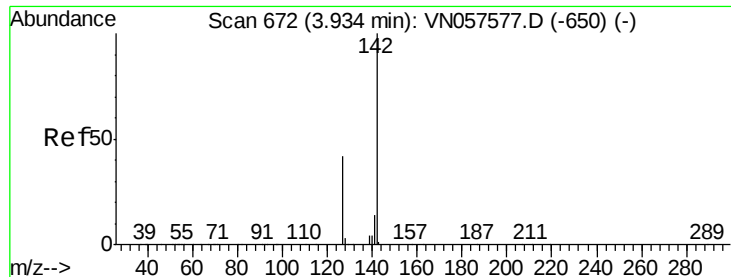
Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Tgt Ion:	96	Resp:	167042
Ion Ratio	Lower	Upper	
96	100		
61	141.1	114.2	171.4
98	64.4	51.8	77.6





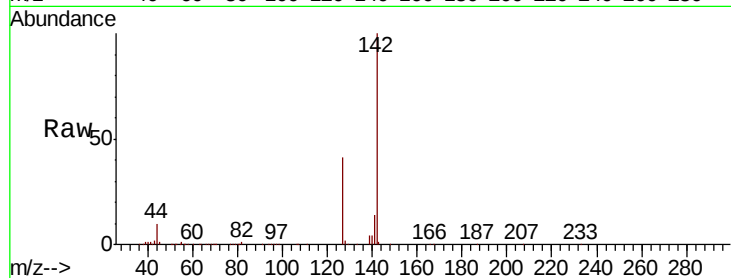
#11
Methyl Iodide
Concen: 22.027 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

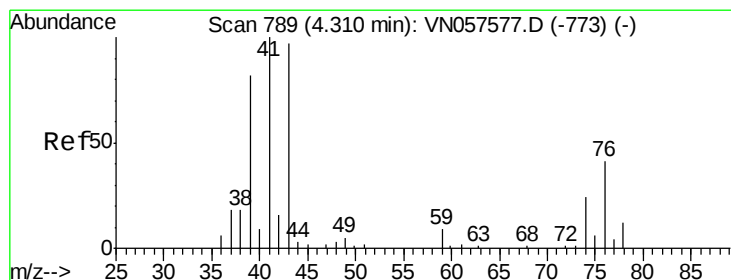
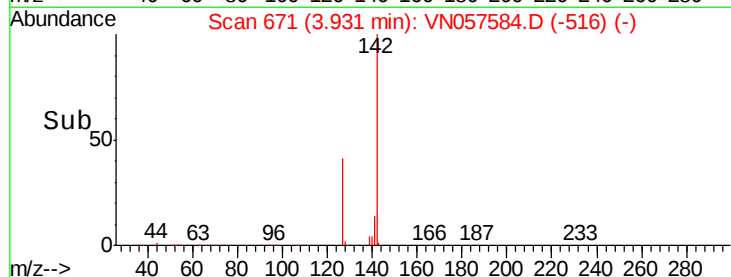
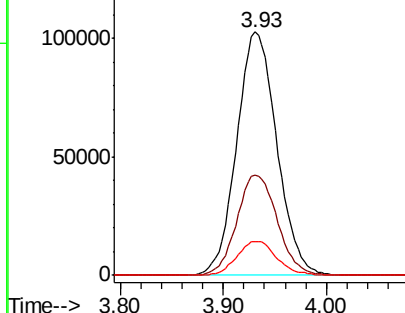
Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.2	20.8	62.4
141	14.1	6.8	20.4

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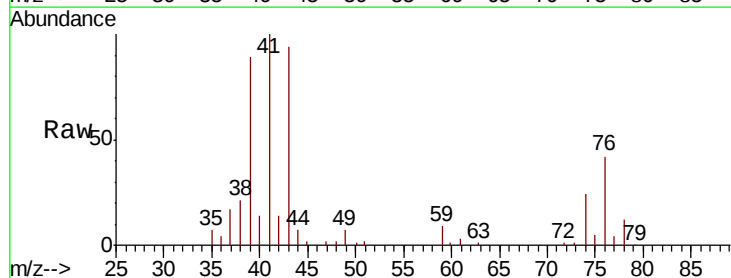


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

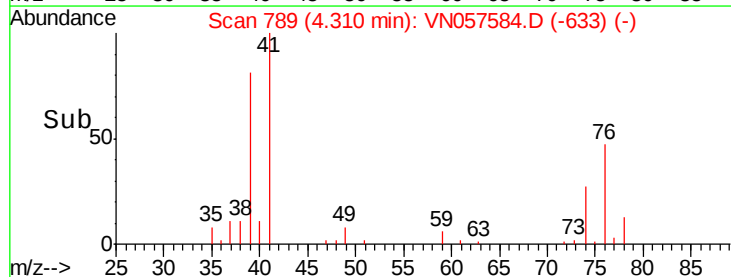
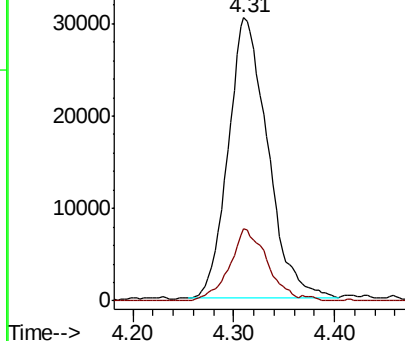


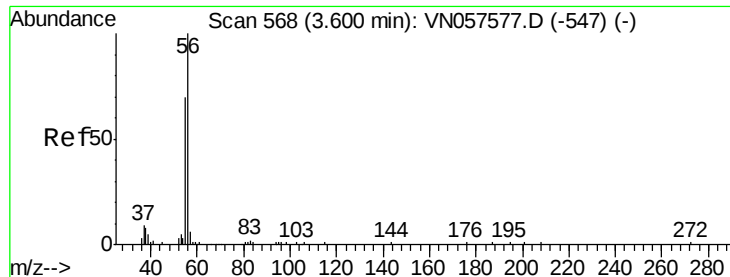
#12
Methyl Acetate
Concen: 20.941 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.6	29.4



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 104.641 ug/l

RT: 3.59 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 56 Resp: 52564

Ion Ratio Lower Upper

56 100

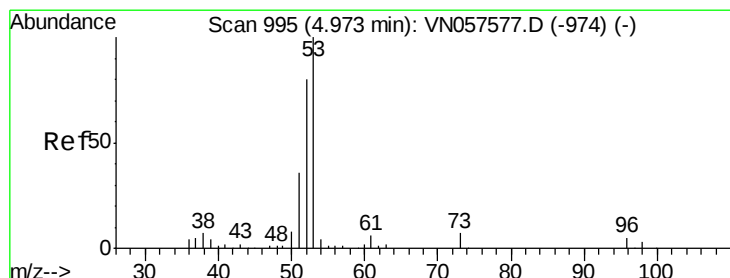
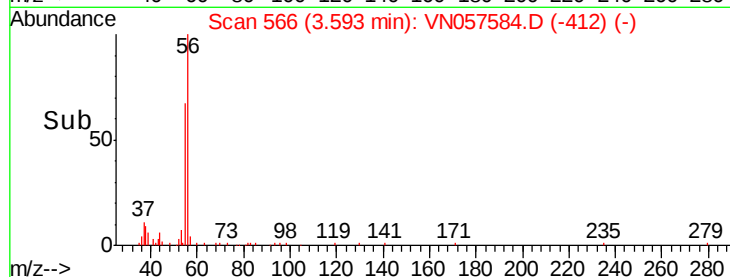
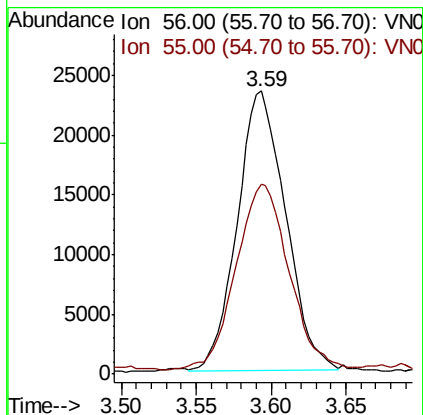
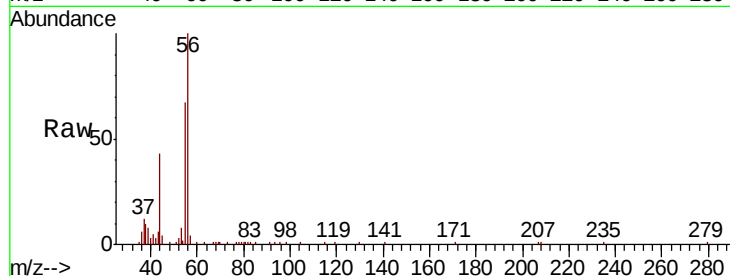
55 72.2 54.5 81.7

Manual Integrations

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MMDadoda

8/31/2019 10:00:49 AM



#14

Acrylonitrile

Concen: 107.878 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

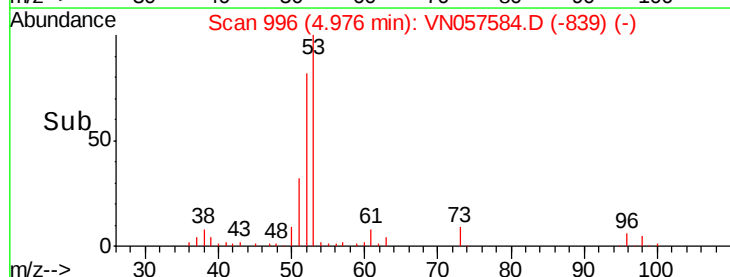
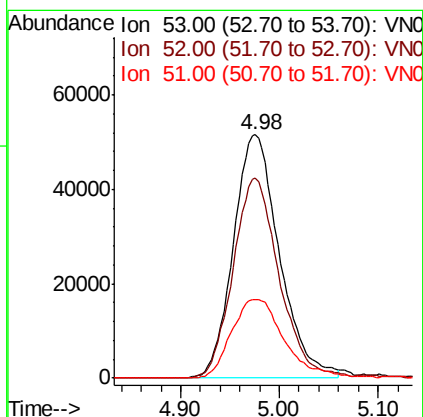
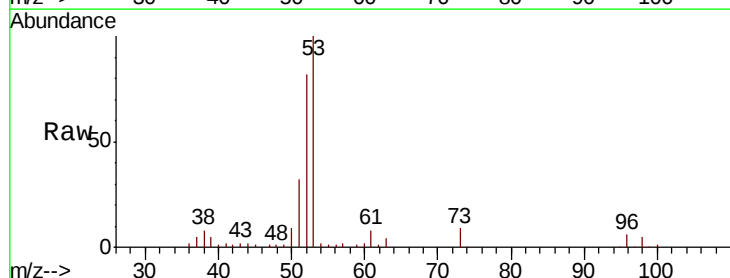
Tgt Ion: 53 Resp: 167079

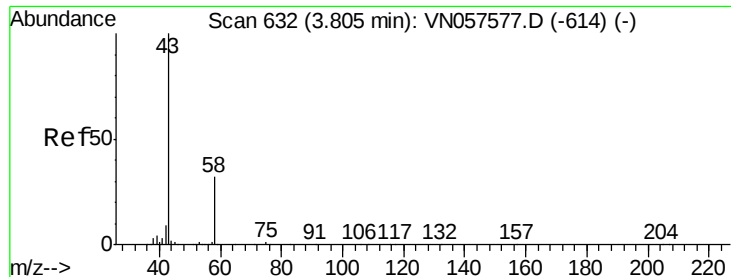
Ion Ratio Lower Upper

53 100

52 82.3 40.6 122.0

51 19.3 8.3 24.9





#15

Acetone

Concen: 104.581 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 58 Resp: 87420

Ion Ratio Lower Upper

58 100

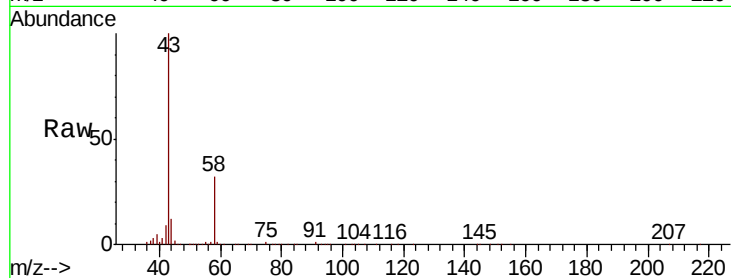
43 309.0 252.8 379.2

Manual Integrations

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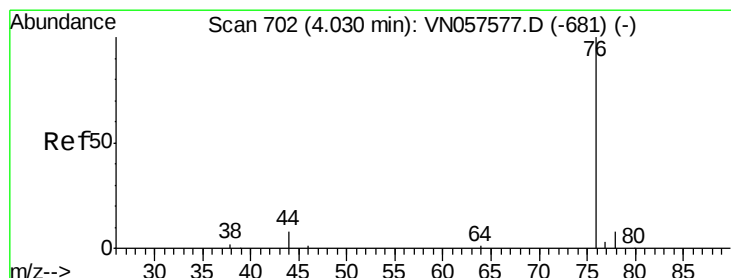
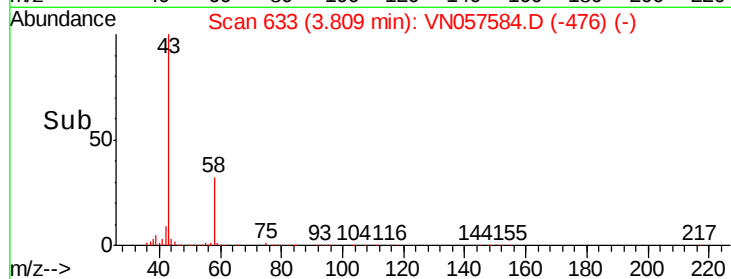
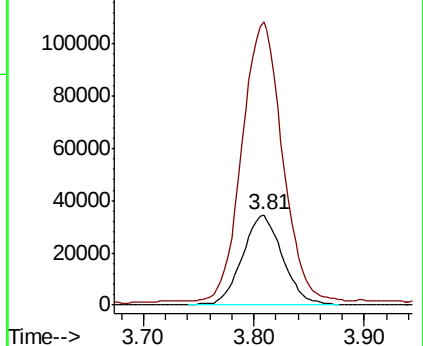
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 20.904 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057584.D

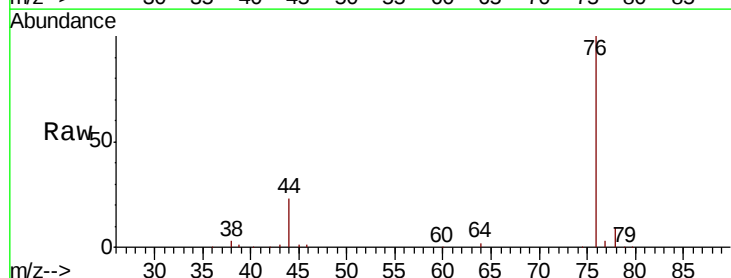
Acq: 30 Aug 2019 13:02

Tgt Ion: 76 Resp: 159451

Ion Ratio Lower Upper

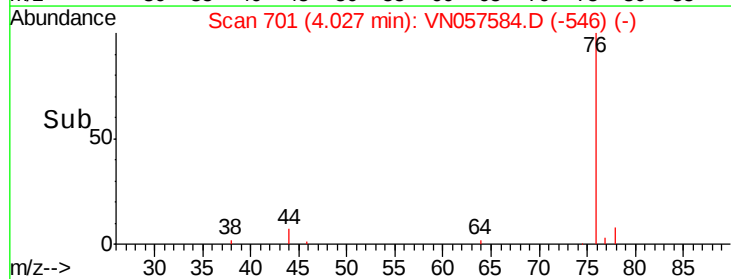
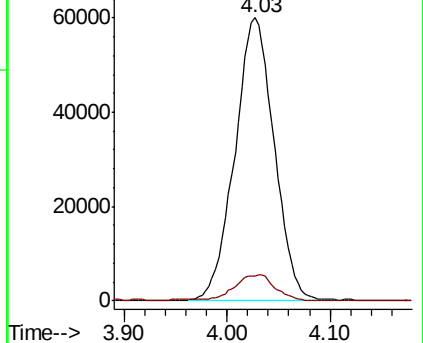
76 100

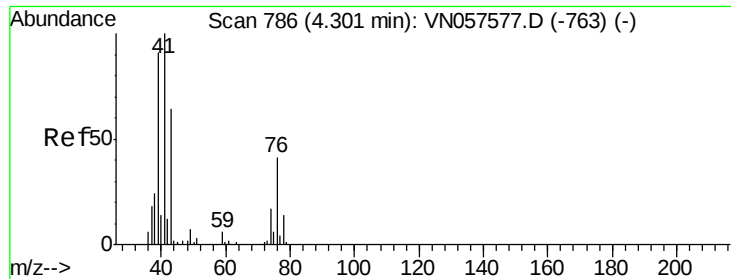
78 8.8 6.7 10.1



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





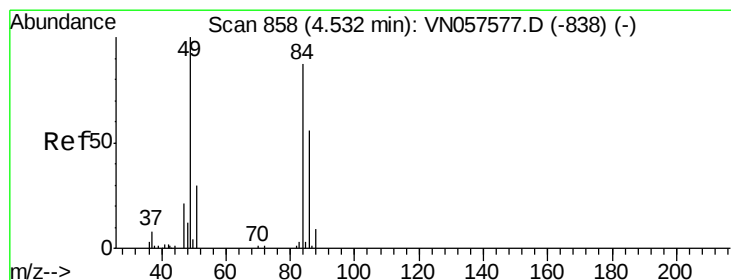
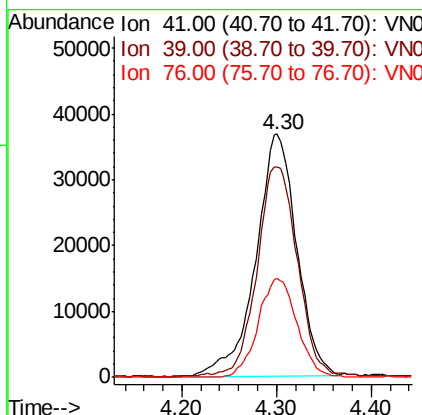
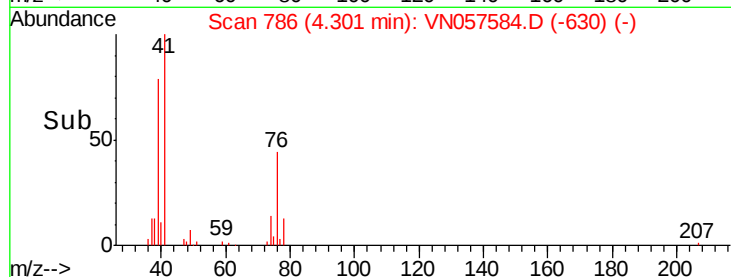
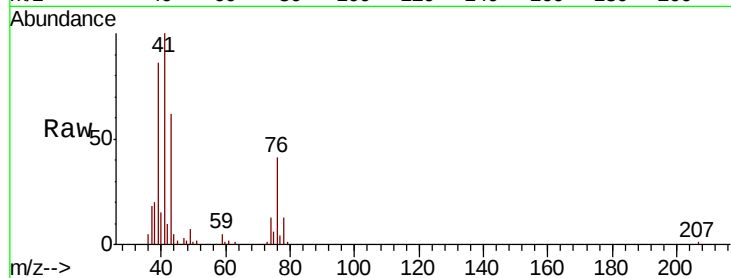
#17
 Allyl chloride
 Concen: 21.226 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	86.3	44.6	134.0
76	41.0	19.8	59.3

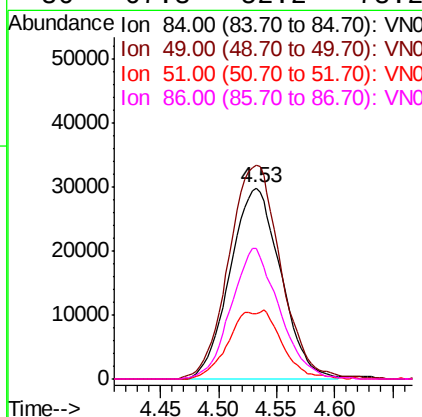
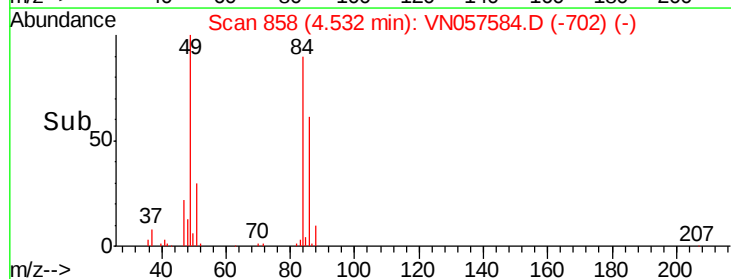
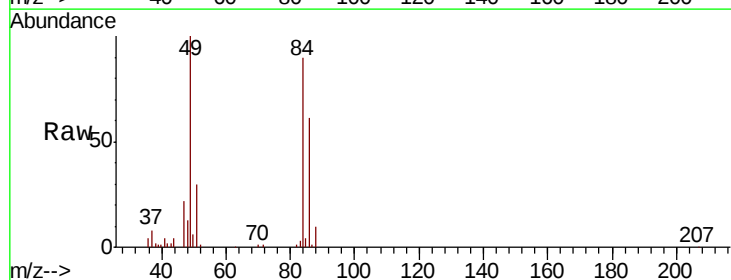
Manual Integrations
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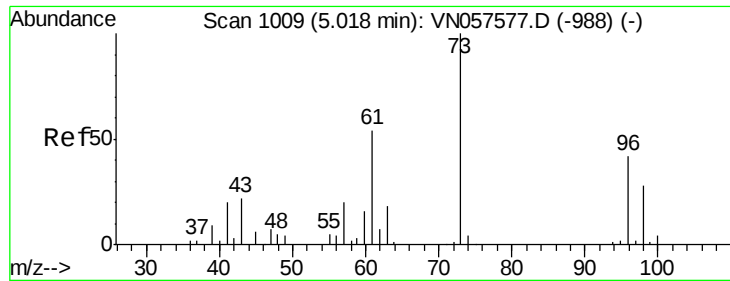
MMDadoda
 8/31/2019 10:00:49 AM



#18
 Methylene Chloride
 Concen: 21.662 ug/l
 RT: 4.53 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.7	92.4	138.6
51	34.0	27.9	41.9
86	67.3	52.2	78.2





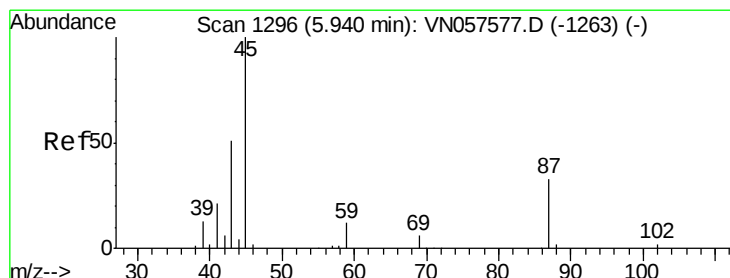
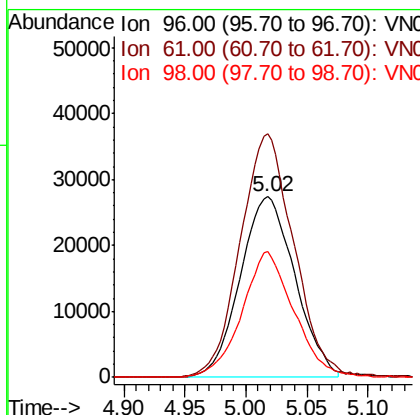
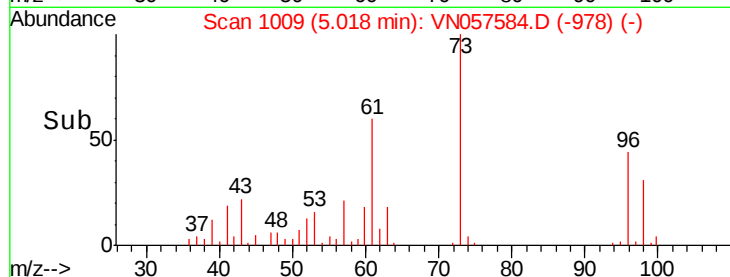
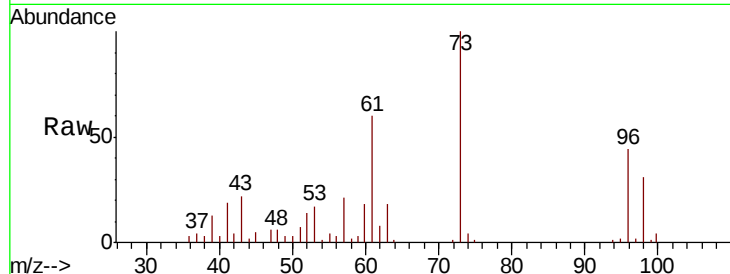
#19
trans-1,2-Dichloroethene
Concen: 20.438 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.7	102.6	153.8
98	69.3	52.6	79.0

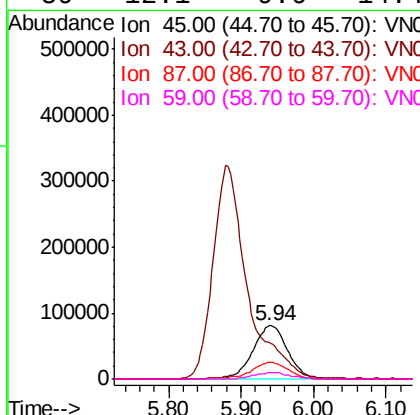
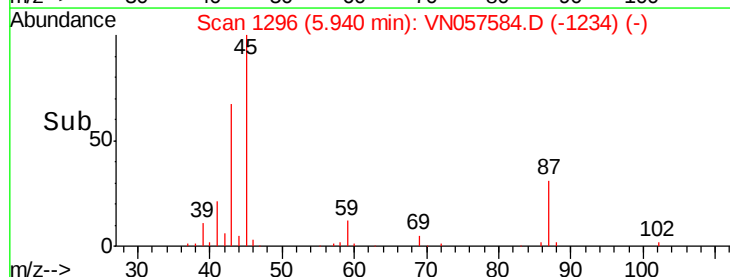
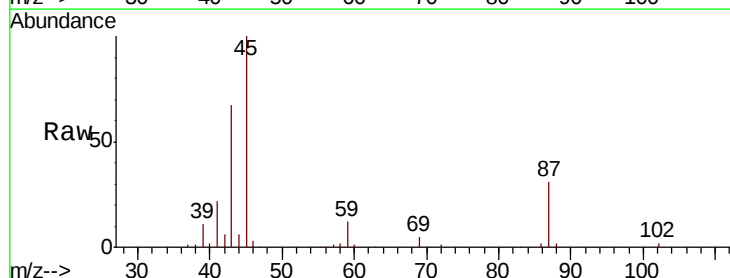
Manual Integrations
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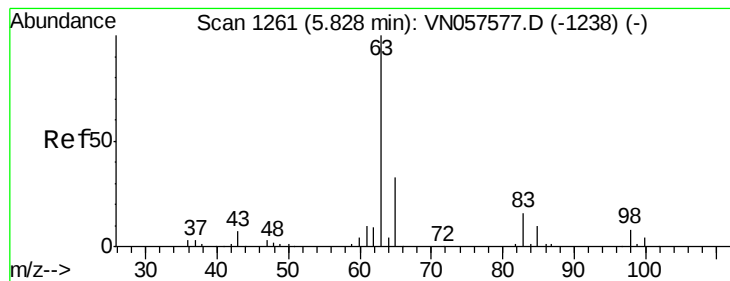
MMDadoda
8/31/2019 10:00:49 AM



#20
Diisopropyl ether
Concen: 21.745 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.4	51.9	77.9
87	30.5	27.3	40.9
59	12.1	9.6	14.4





#21

1,1-Dichloroethane

Concen: 21.664 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

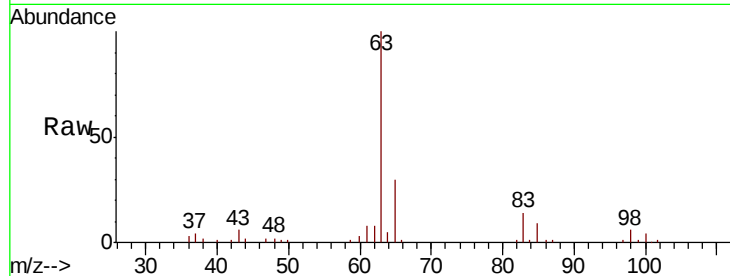
ClientSampleId :

VN0830WBS01

Tgt Ion:	63	Resp:	170384
Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.8	11.2
100	4.0	2.0	6.0

Manual Integrations
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8/31/2019 10:00:49 AM

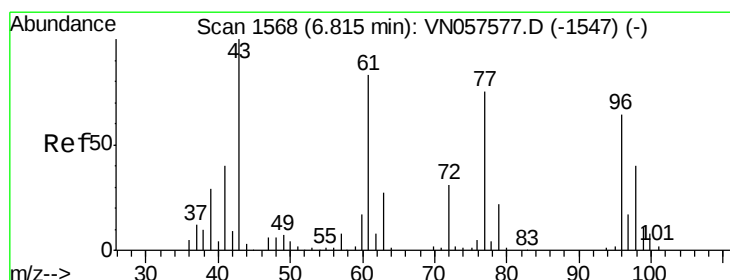
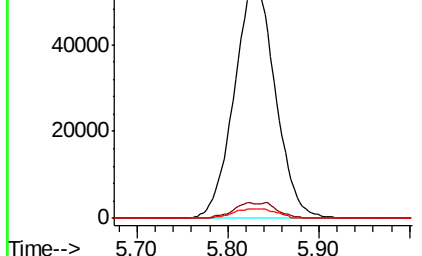
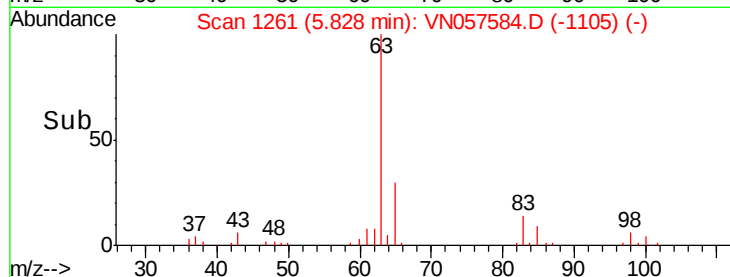


Abundance Ion 63.00 (62.70 to 63.70): VN057577.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN057577.D (-1238) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 20.607 ug/l

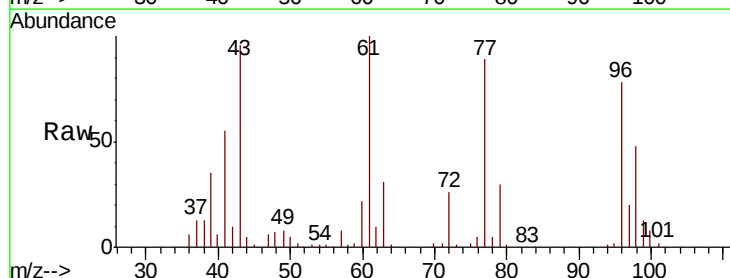
RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Tgt Ion:	96	Resp:	114657
Ion	Ratio	Lower	Upper
96	100		
61	132.1	110.5	165.7
98	63.7	51.1	76.7

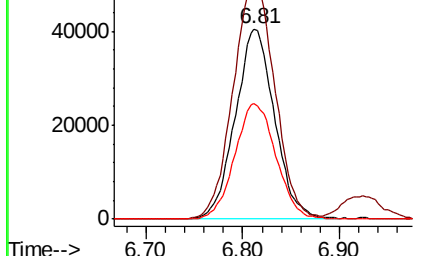
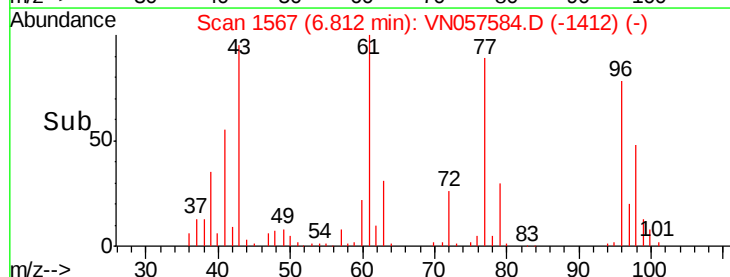


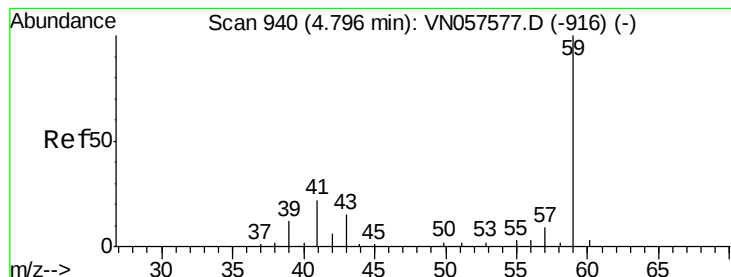
Abundance Ion 96.00 (95.70 to 96.70): VN057577.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN057577.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN057577.D (-1547) (-)

Time-->





#23

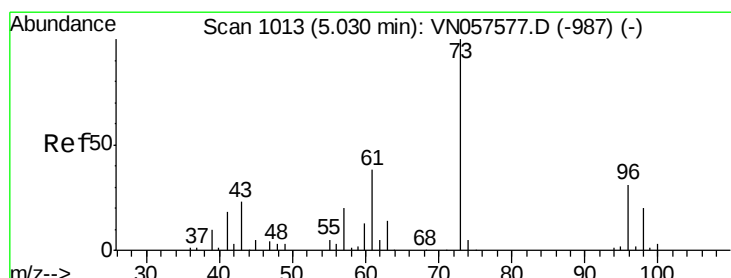
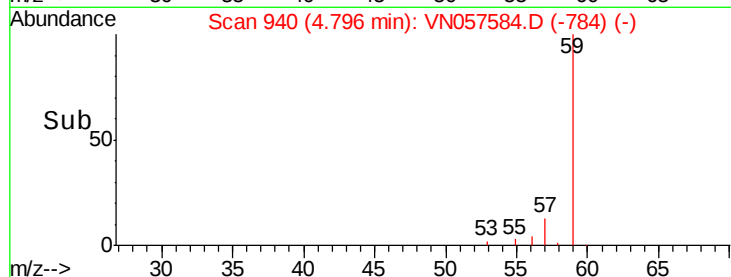
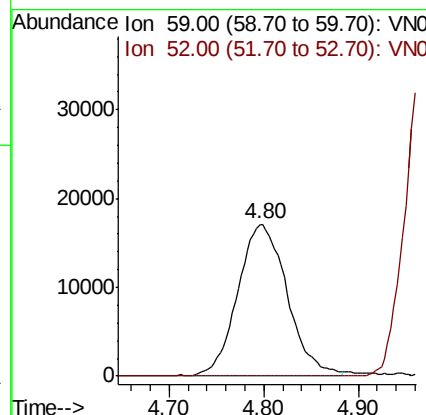
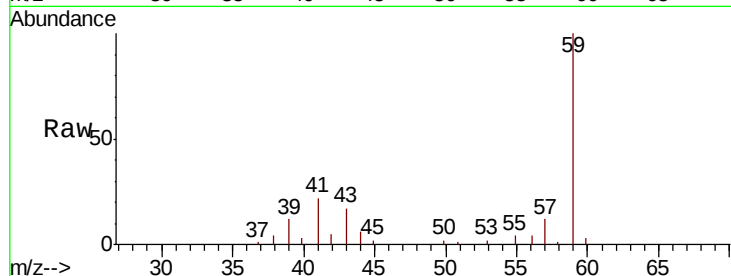
tert-Butyl Alcohol
 Concen: 108.165 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion: 59 Resp: 62127
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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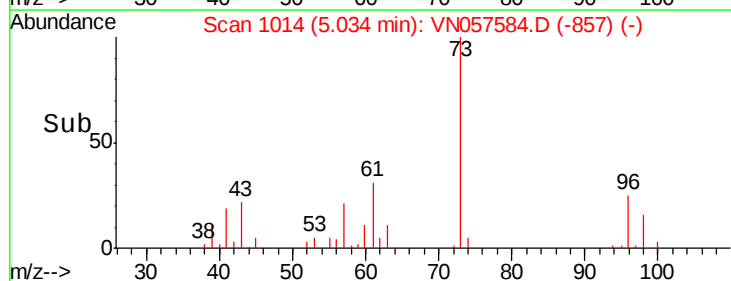
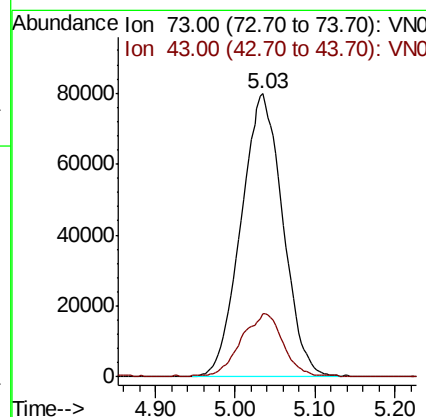
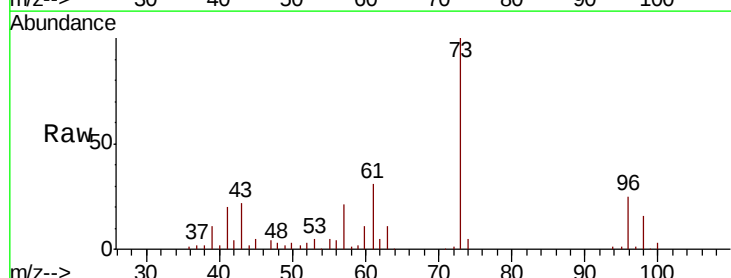
MMDadoda
 8/31/2019 10:00:49 AM

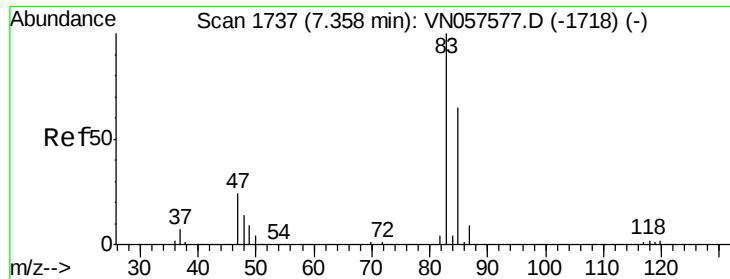


#24

Methyl tert-Butyl Ether
 Concen: 21.130 ug/l
 RT: 5.03 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 73 Resp: 284281
 Ion Ratio Lower Upper
 73 100
 43 21.5 18.4 27.6





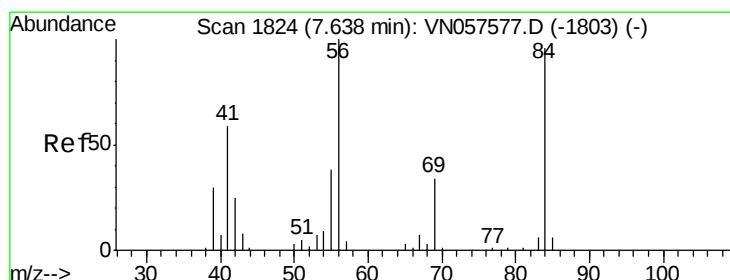
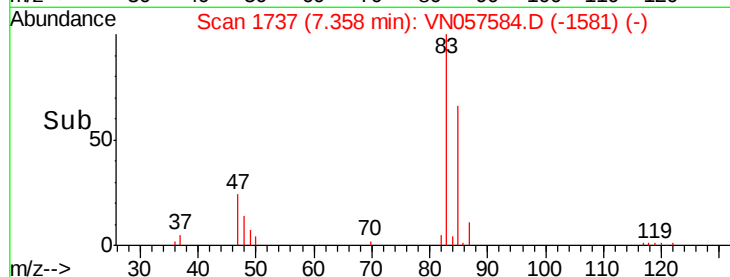
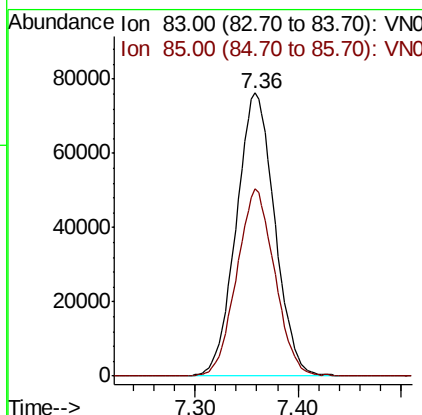
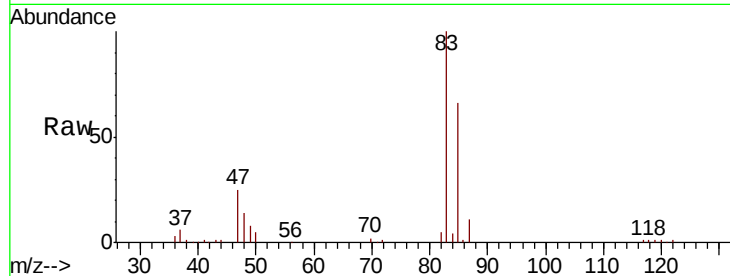
#25
Chloroform
Concen: 20.651 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

Tgt Ion: 83 Resp: 197348
Ion Ratio Lower Upper
83 100
85 66.0 51.8 77.6

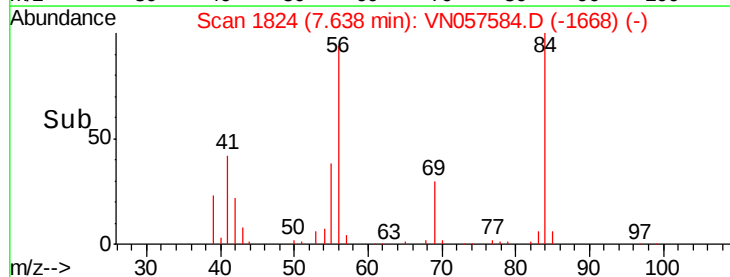
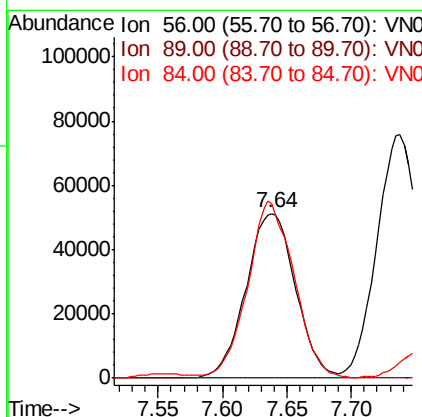
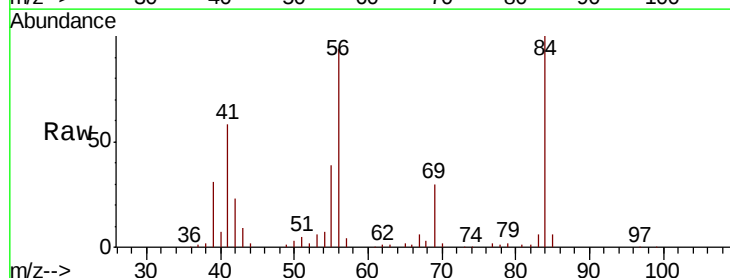
Manual Integrations
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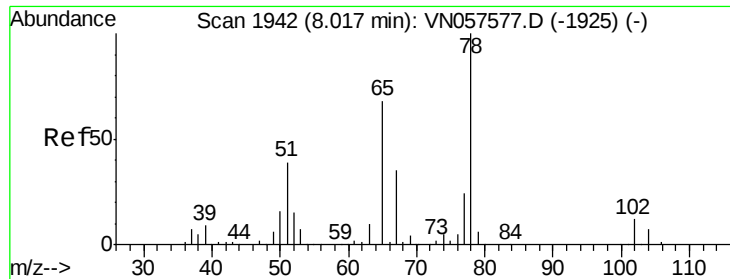
MMDadoda
8/31/2019 10:00:49 AM



#26
Cyclohexane
Concen: 20.896 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 56 Resp: 137041
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 100.1 75.9 113.9





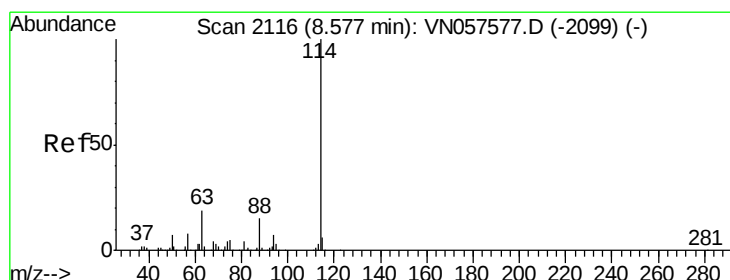
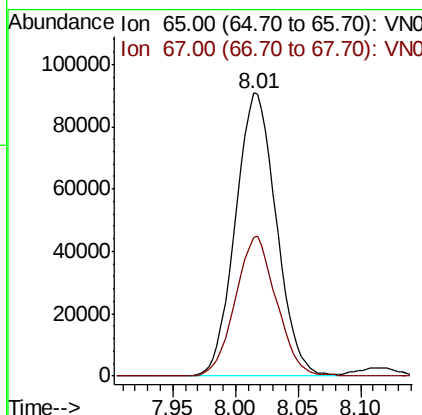
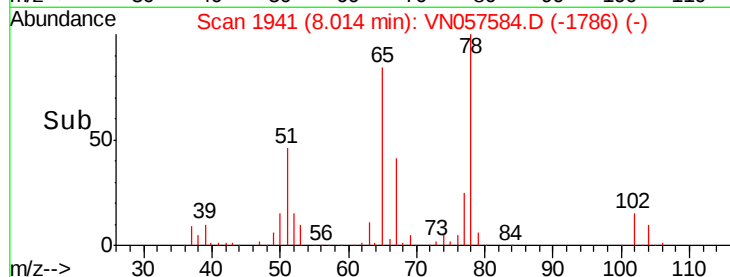
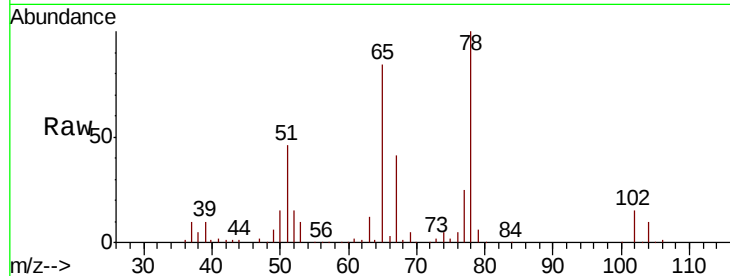
#27
 1,2-Dichloroethane-d4
 Concen: 32.446 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	206060		
67	49.6	39.8	59.6	

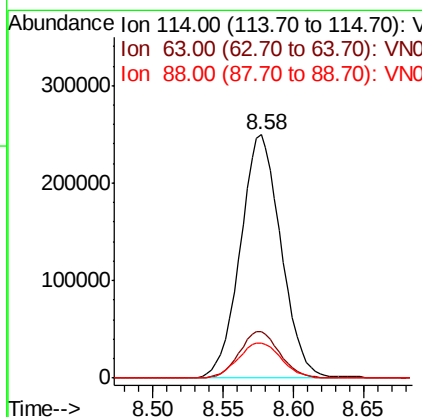
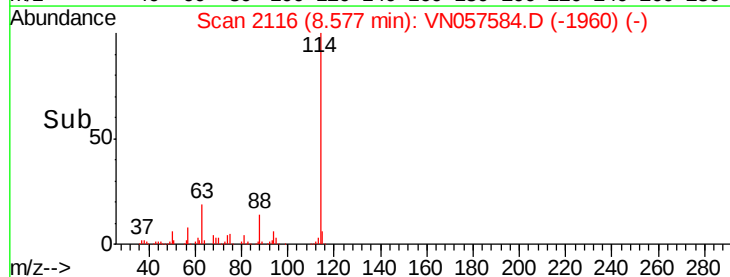
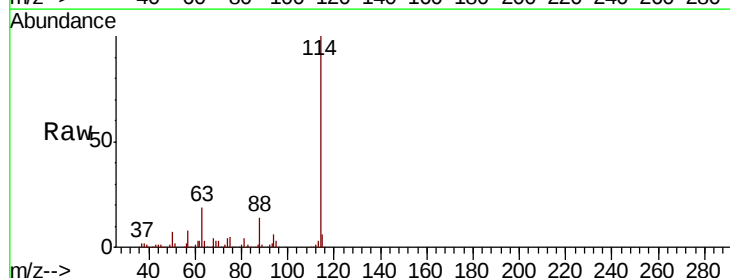
Manual Integrations
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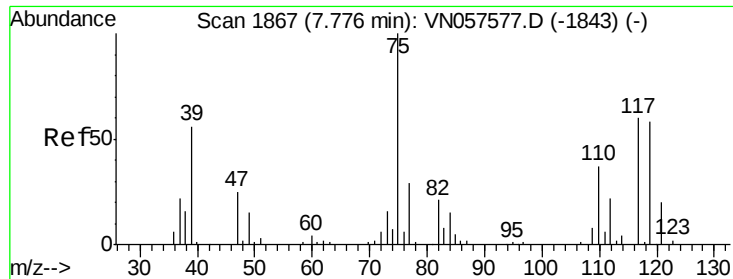
MMDadoda
 8/31/2019 10:00:49 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	504053		
63	19.0	15.4	23.0	
88	15.3	11.8	17.8	





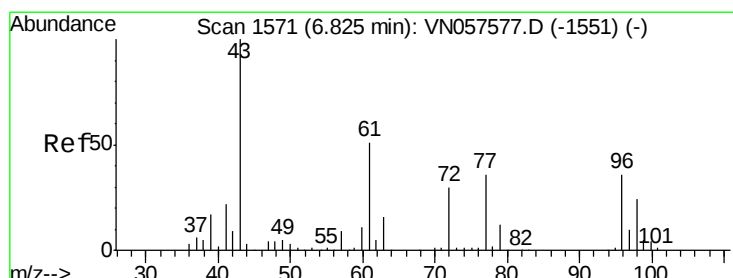
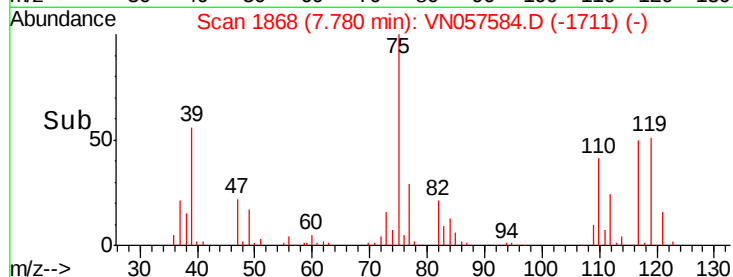
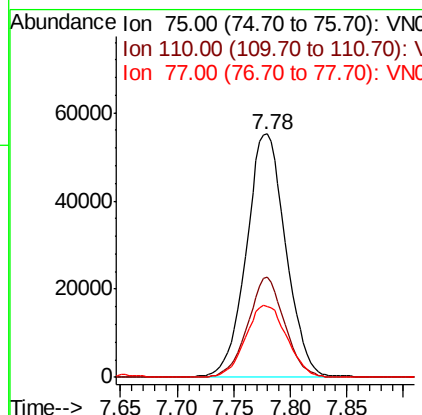
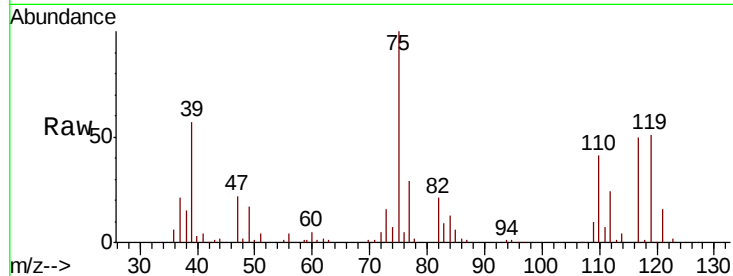
#29
 1,1-Dichloropropene
 Concen: 19.652 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion	Ratio	Resp Lower	Upper
75	100		
110	38.3	0.0	75.4
77	29.8	0.0	61.0

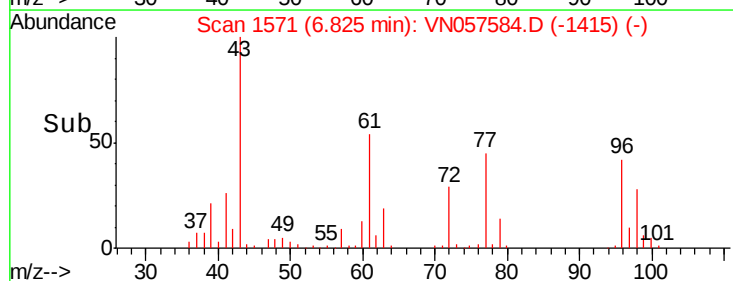
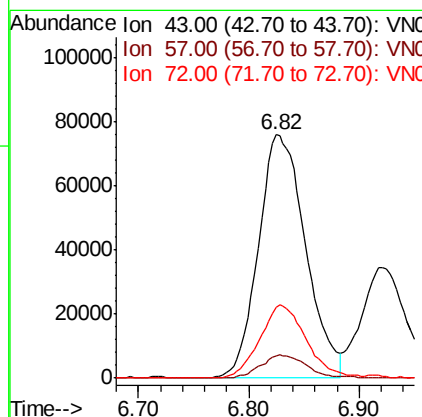
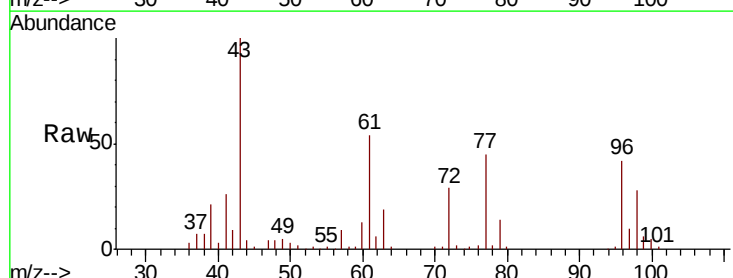
Manual Integrations
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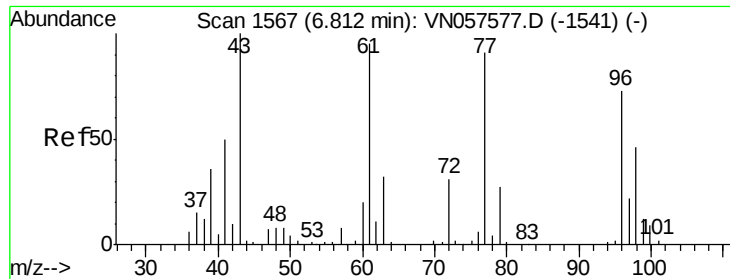
MMDadoda
 8/31/2019 10:00:49 AM



#30
 2-Butanone
 Concen: 102.183 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.2	3.5	5.3#
72	29.2	24.6	36.8





#31

2,2-Dichloropropane

Concen: 18.821 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

Tgt Ion: 77 Resp: 153591

Ion Ratio Lower Upper

77 100

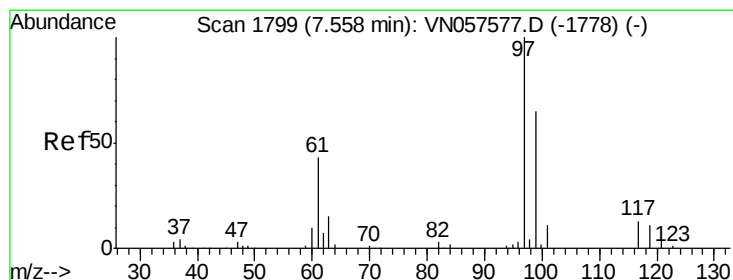
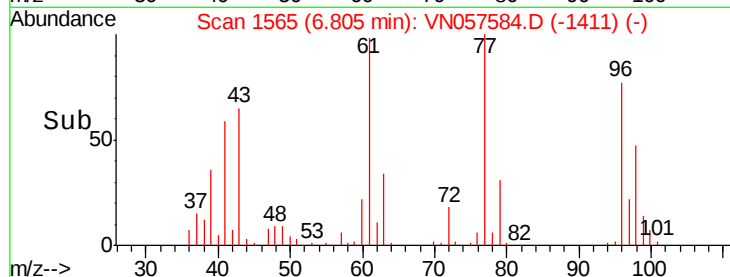
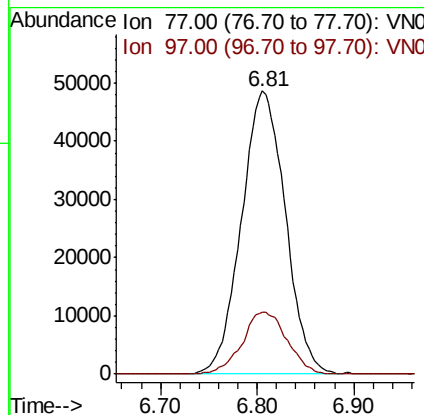
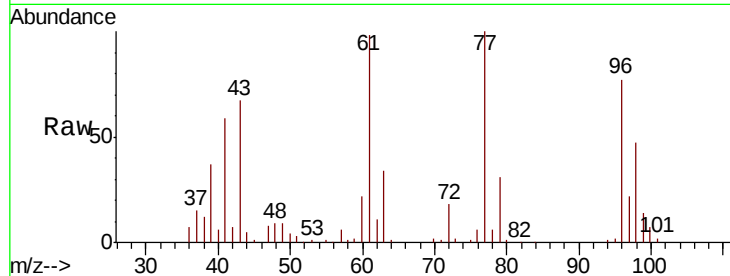
97 21.8 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.609 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

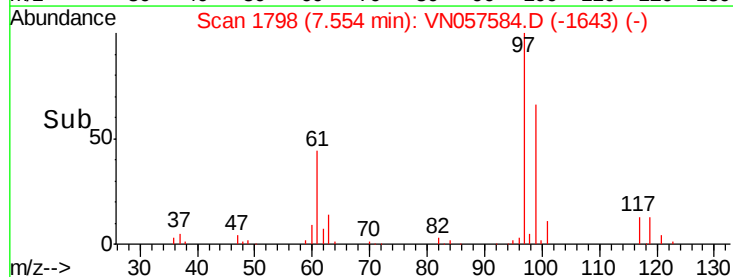
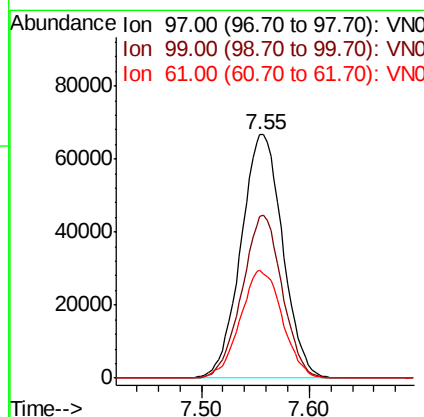
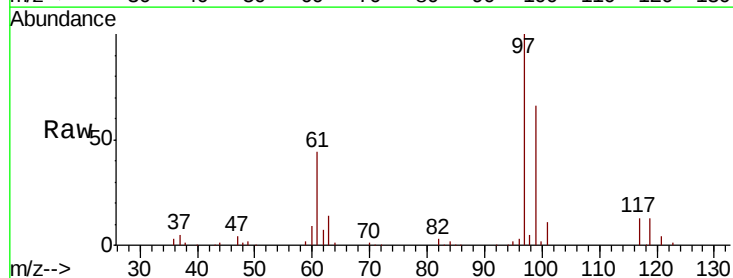
Tgt Ion: 97 Resp: 179337

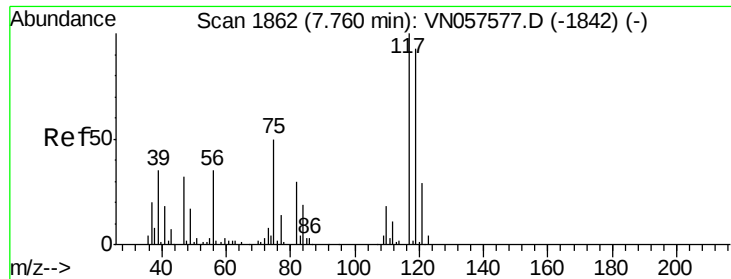
Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

61 44.7 34.4 51.6





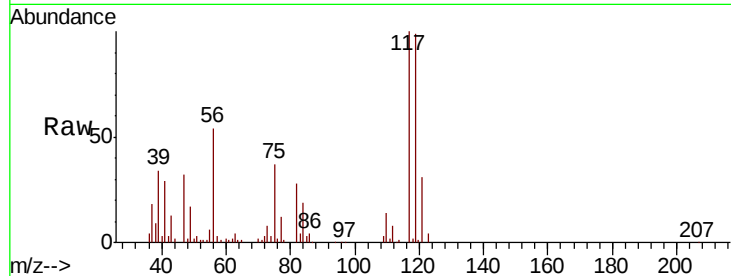
#33
Carbon Tetrachloride
Concen: 19.061 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

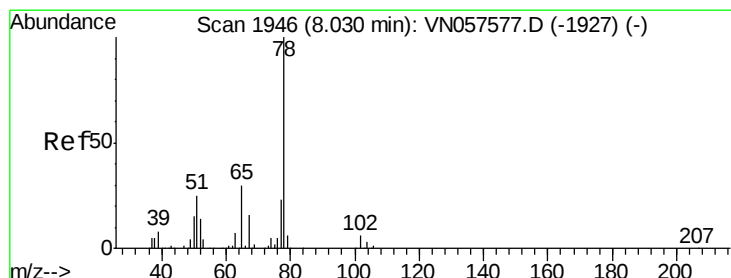
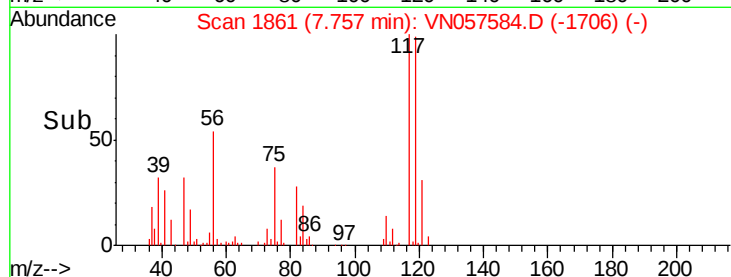
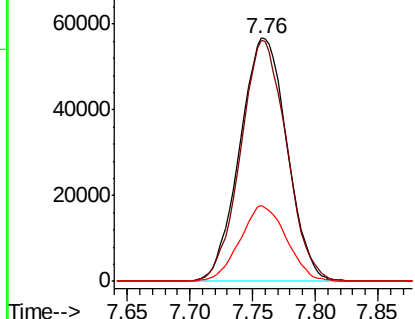
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.2	74.6	111.8
121	31.2	23.5	35.3

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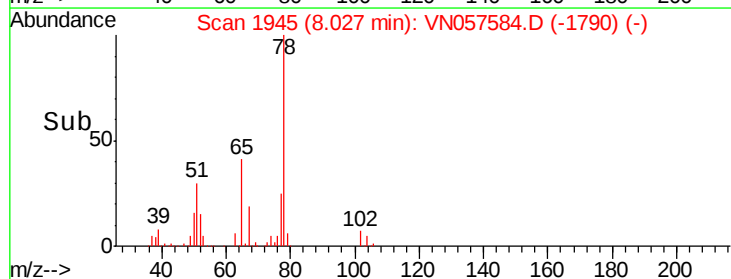
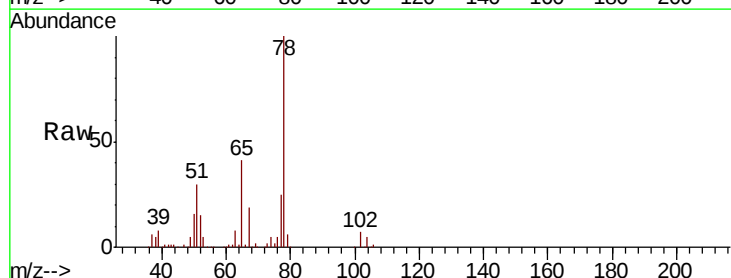
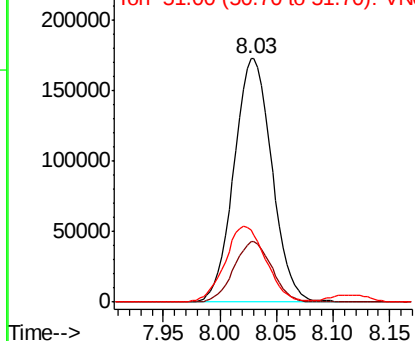
Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

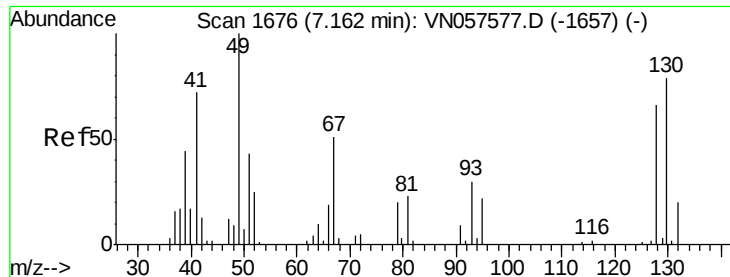


#34
Benzene
Concen: 19.683 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.2	27.4
51	29.3	20.2	30.4

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





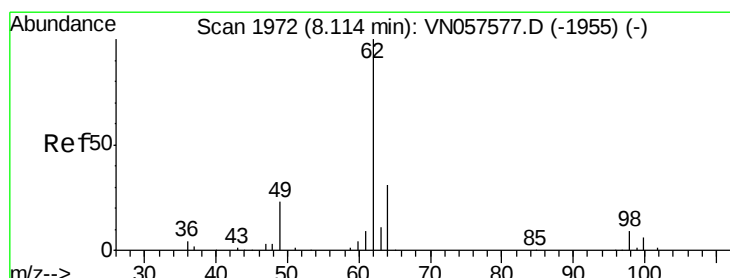
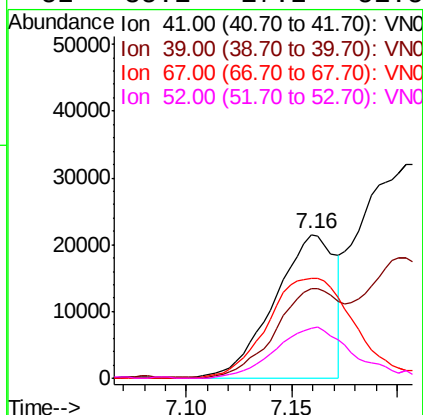
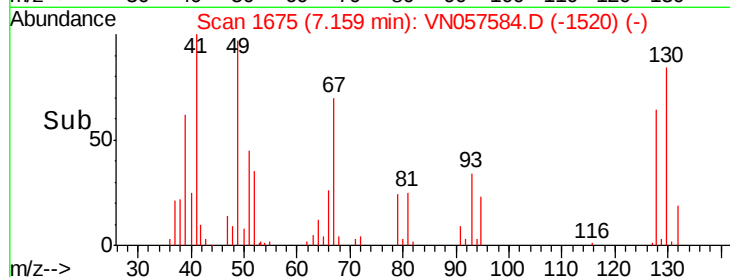
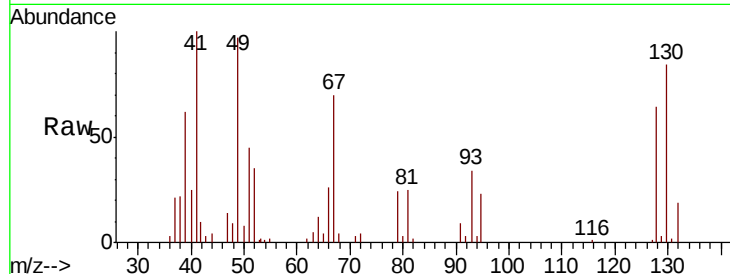
#35
Methacrylonitrile
Concen: 19.714 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.9	30.4	91.2
67	69.5	35.6	106.8
52	35.1	17.2	51.5

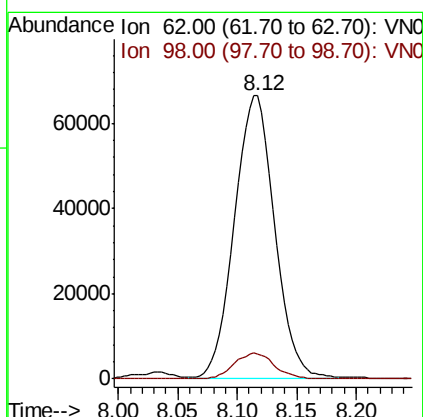
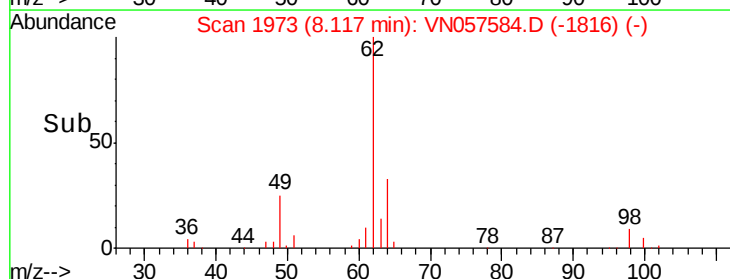
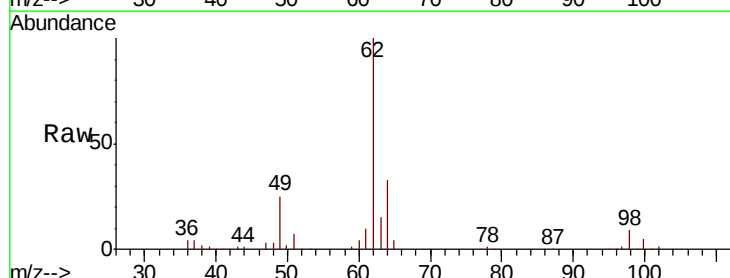
Manual Integrations
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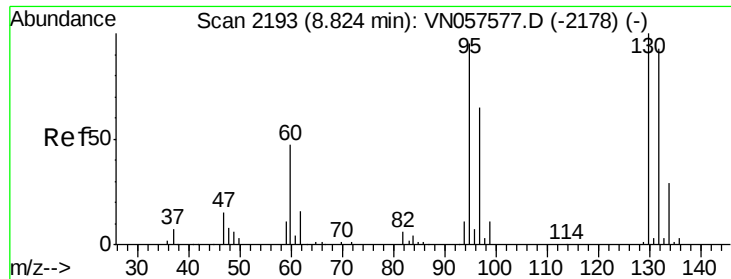
MMDadoda
8/31/2019 10:00:49 AM



#36
1,2-Dichloroethane
Concen: 20.749 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	6.8	10.2





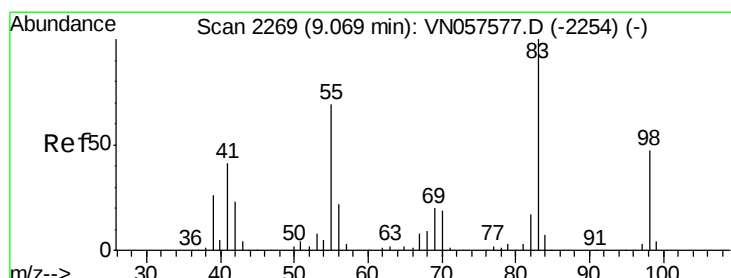
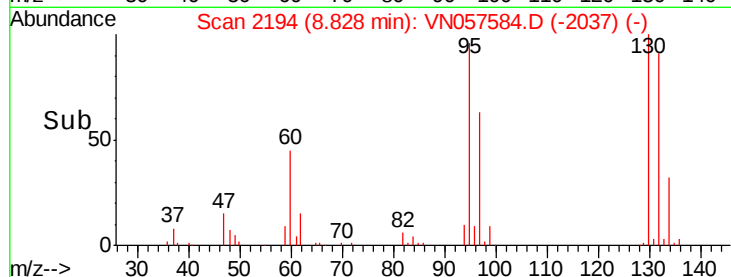
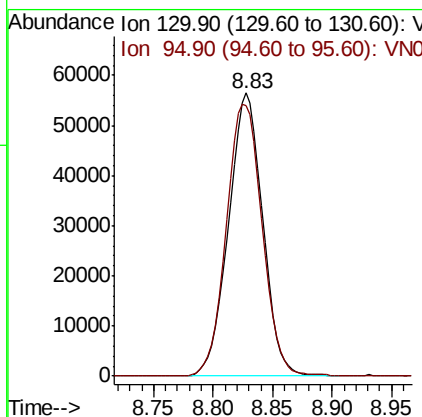
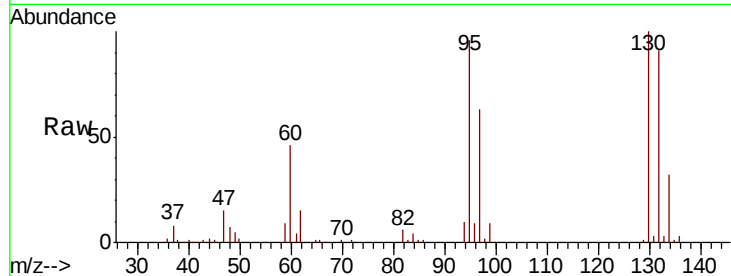
#37
 Trichloroethene
 Concen: 18.986 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion: 130 Resp: 112461
 Ion Ratio Lower Upper
 130 100
 95 95.8 76.2 114.2

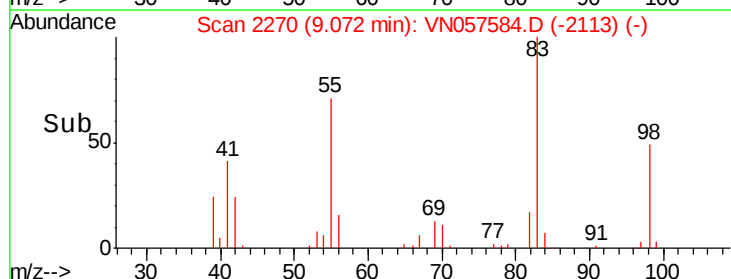
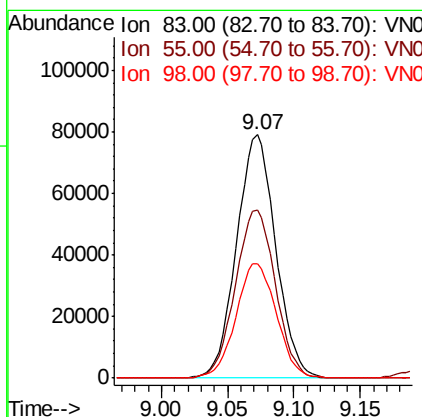
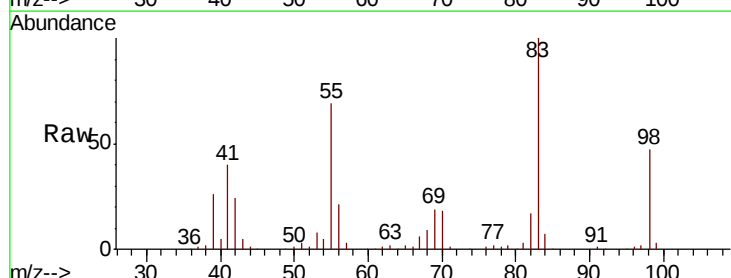
Manual Integrations
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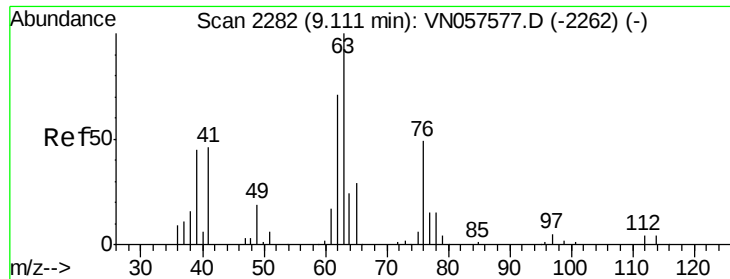
MMDadoda
 8/31/2019 10:00:49 AM



#38
 Methylcyclohexane
 Concen: 19.555 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion: 83 Resp: 162478
 Ion Ratio Lower Upper
 83 100
 55 70.5 34.5 103.6
 98 48.6 23.4 70.3





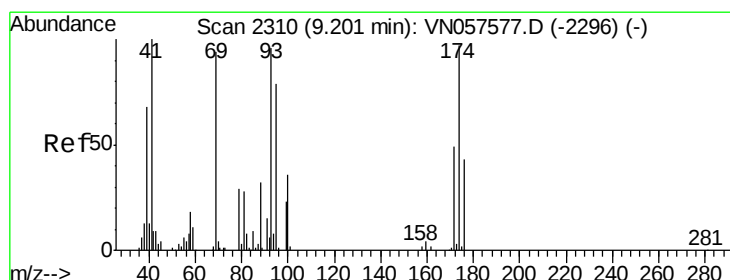
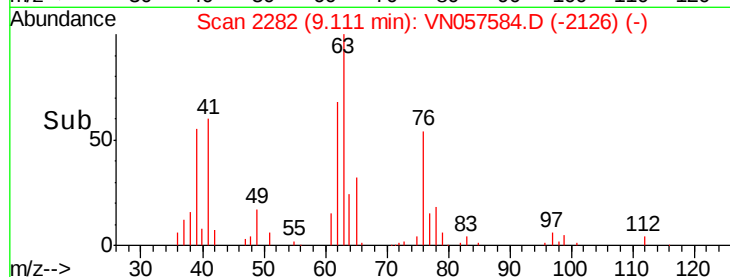
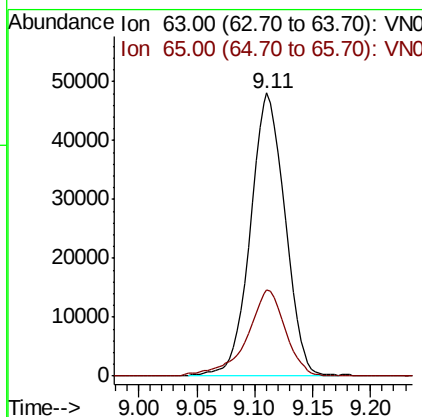
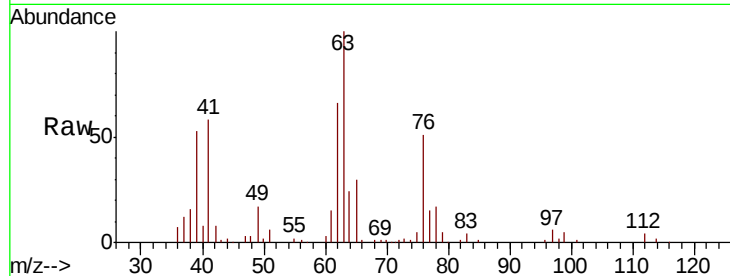
#39
 1,2-Dichloropropane
 Concen: 20.060 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.2	36.2

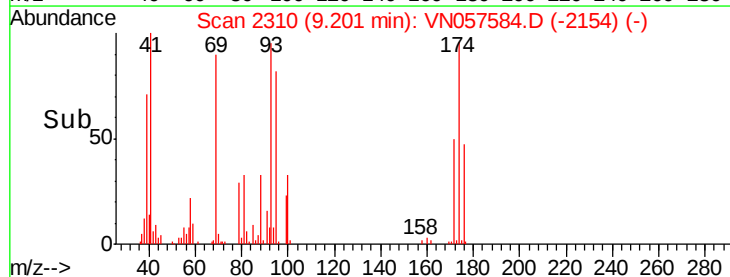
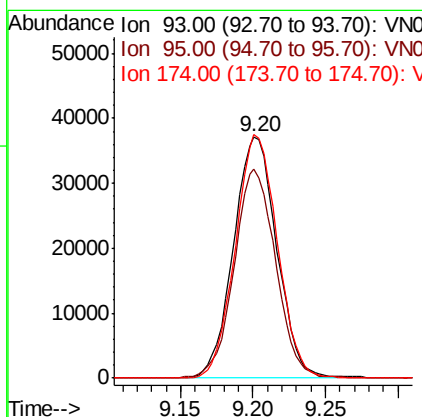
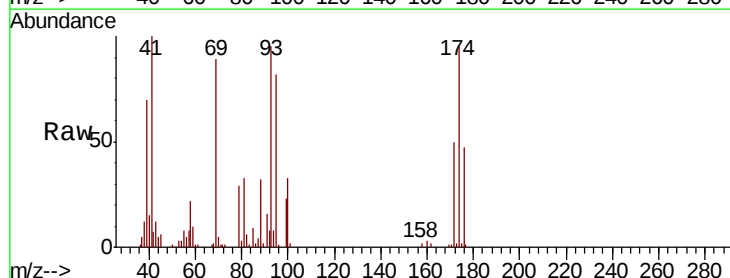
Manual Integrations
 APPROVED

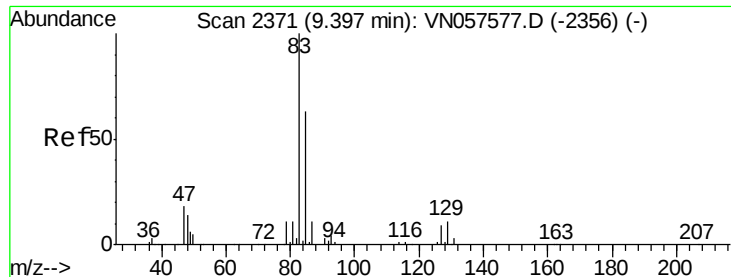
MMDadoda
 8/31/2019 10:00:49 AM



#40
 Dibromomethane
 Concen: 19.929 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	0.0	162.8
174	98.2	0.0	199.2





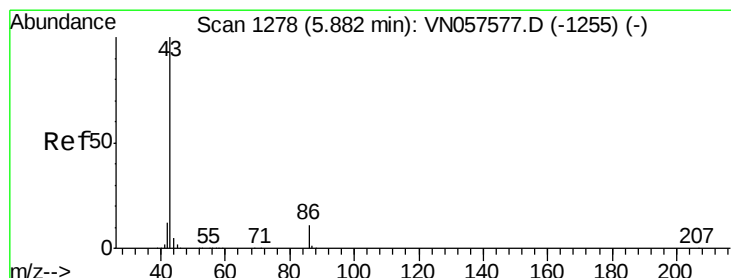
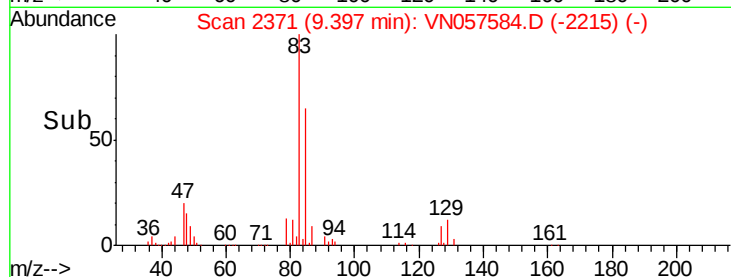
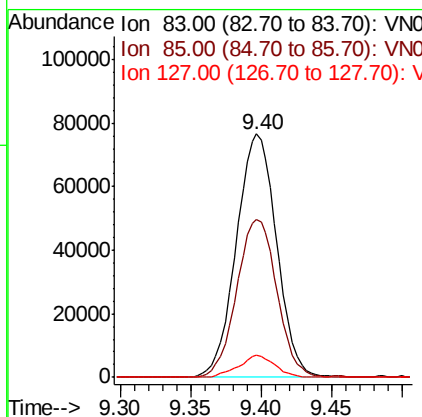
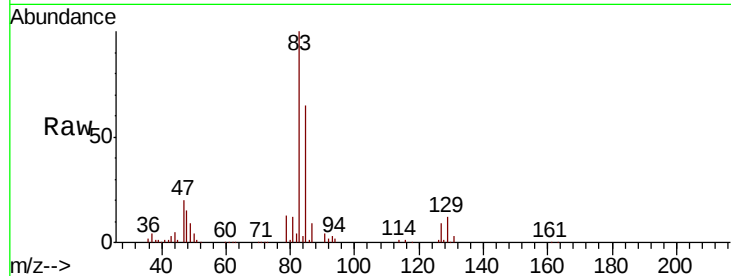
#41
Bromodichloromethane
Concen: 19.392 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.3	75.5
127	10.2	7.4	11.2

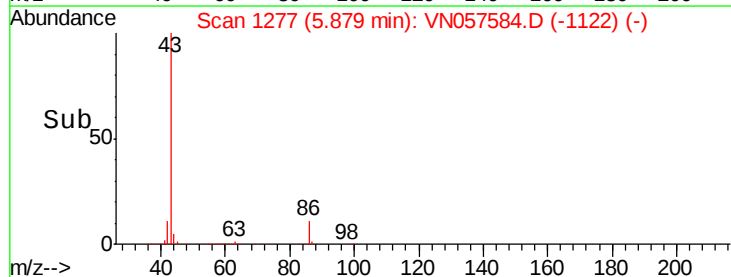
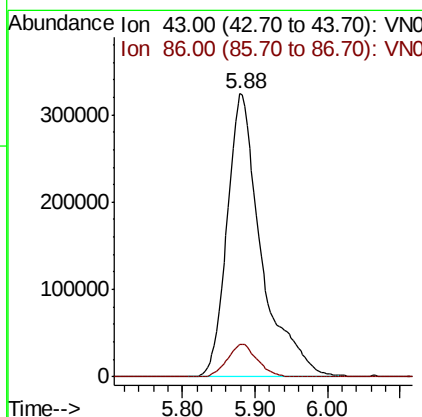
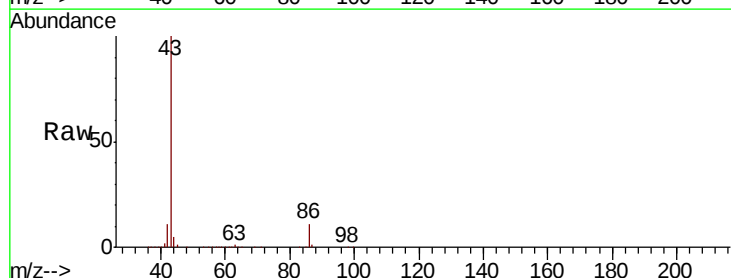
Manual Integrations
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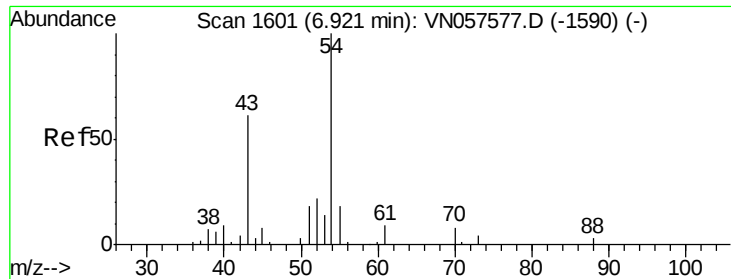
MMDadoda
8/31/2019 10:00:49 AM



#42
Vinyl Acetate
Concen: 108.150 ug/l
RT: 5.88 min Scan# 1277
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1





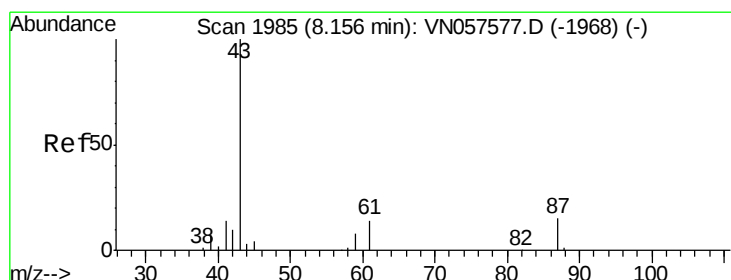
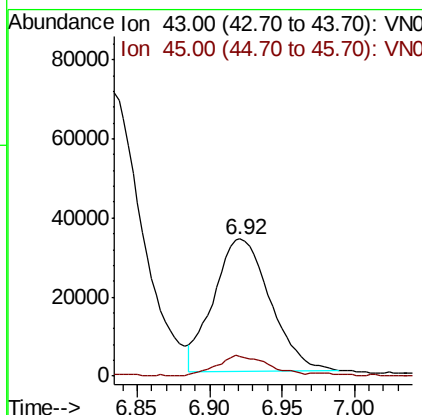
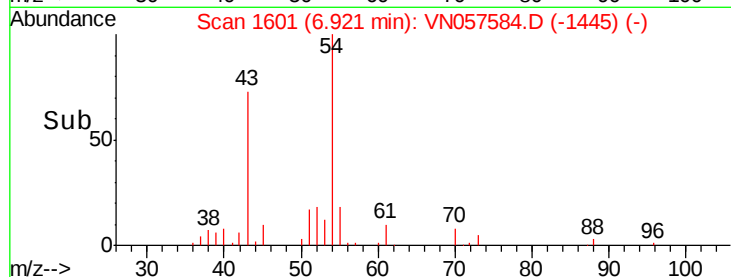
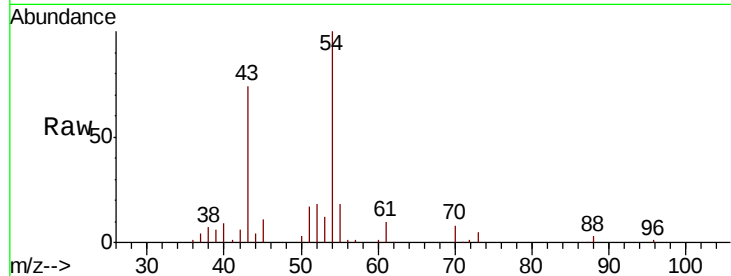
#43
Ethyl Acetate
Concen: 21.148 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion: 43 Resp: 90239
Ion Ratio Lower Upper
43 100
45 12.7 9.9 14.9

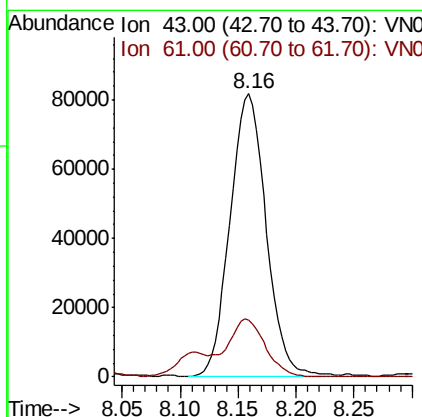
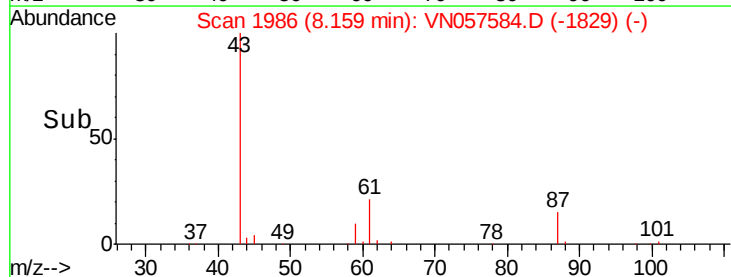
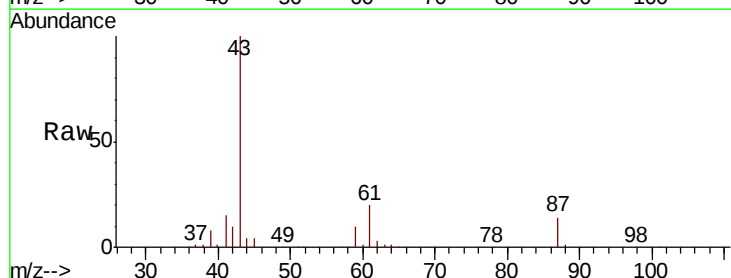
Manual Integrations
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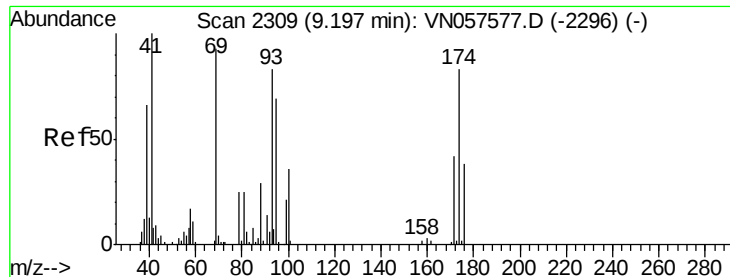
MMDadoda
8/31/2019 10:00:49 AM



#44
Isopropyl Acetate
Concen: 20.520 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 43 Resp: 175152
Ion Ratio Lower Upper
43 100
61 20.0 16.0 24.0





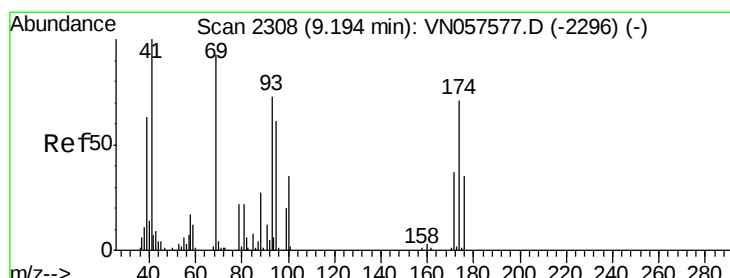
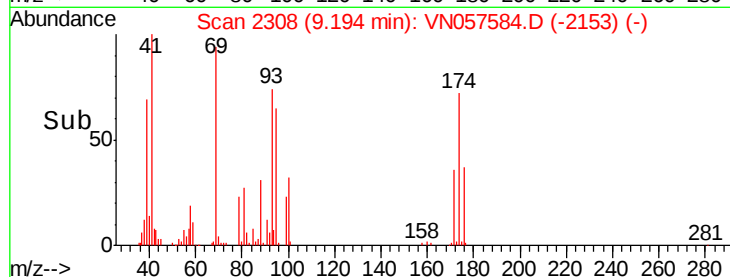
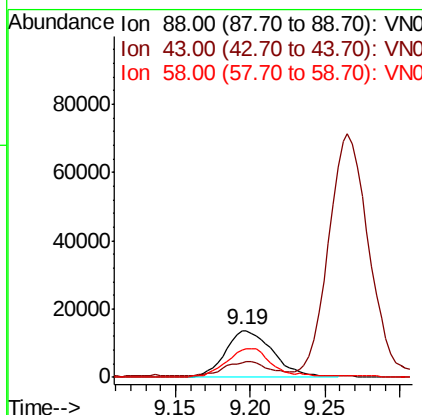
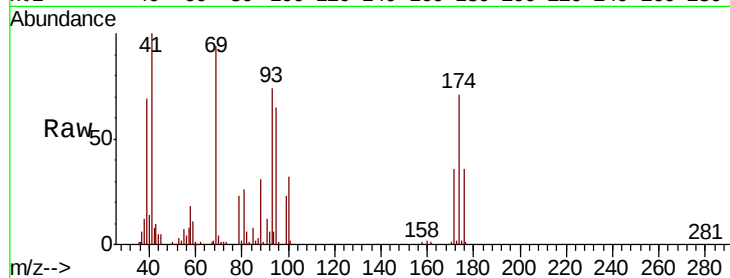
#45
1,4-Dioxane
Concen: 414.190 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.1	18.2	27.4#
58	56.6	45.0	67.6

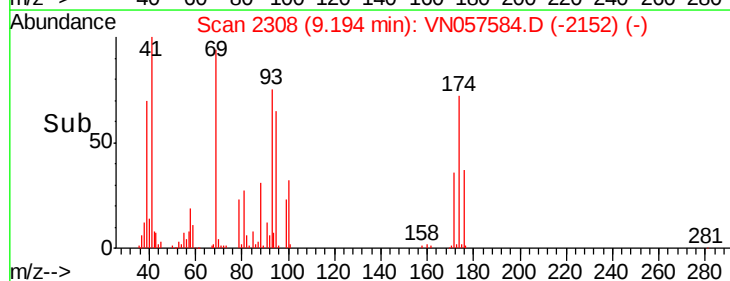
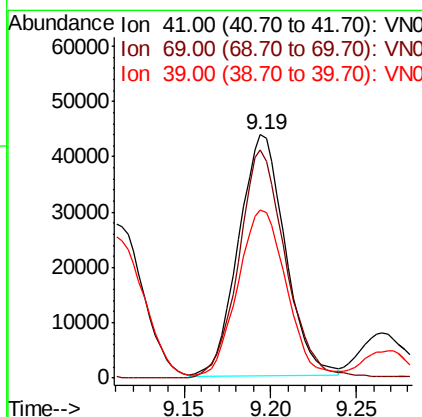
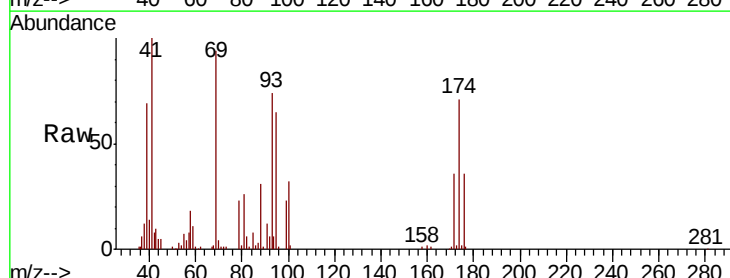
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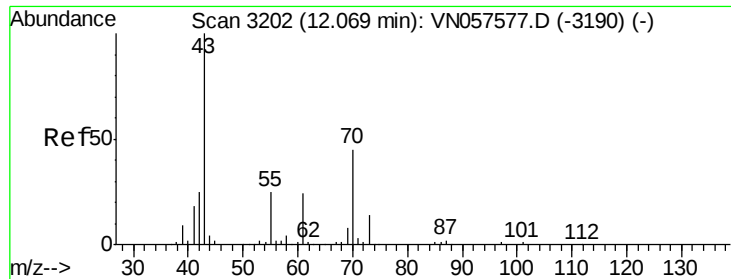
MMDadoda
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#46
Methyl methacrylate
Concen: 20.794 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.1	46.4	139.1
39	68.7	31.6	94.8





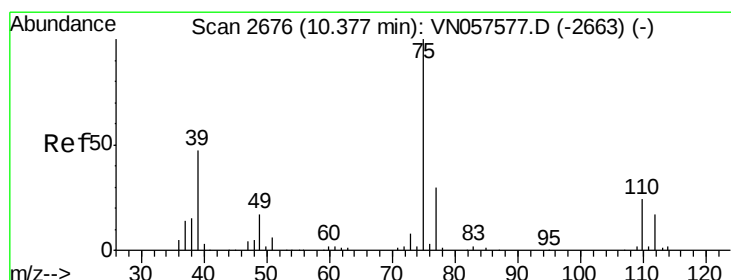
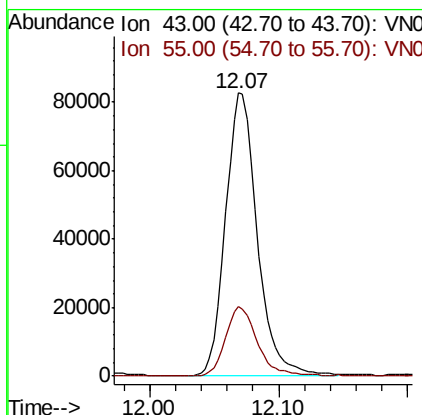
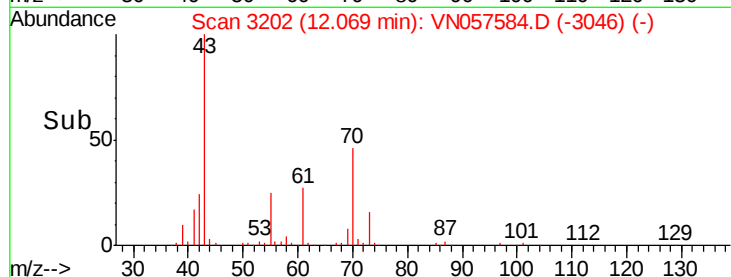
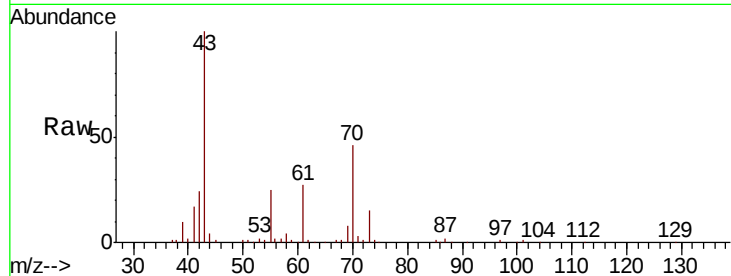
#47
n-amy1 Acetate
Concen: 19.819 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion: 43 Resp: 140049
Ion Ratio Lower Upper
43 100
55 24.9 20.2 30.2

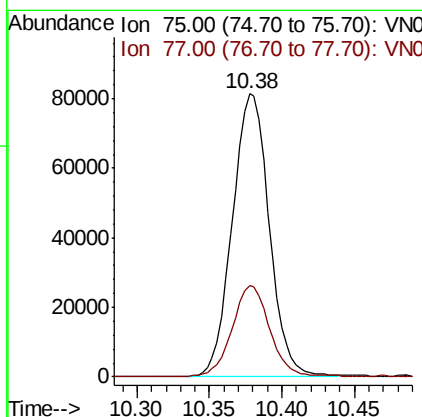
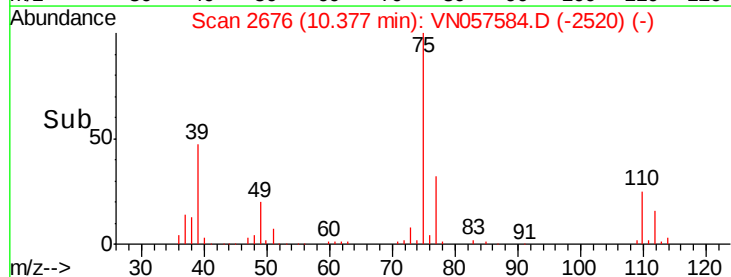
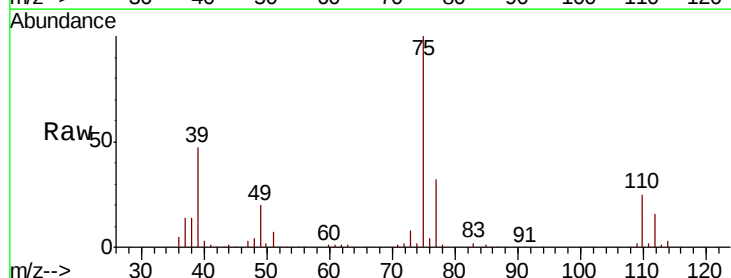
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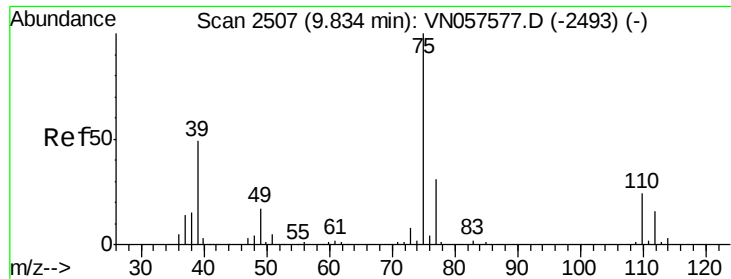
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#48
t-1,3-Dichloropropene
Concen: 18.401 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 75 Resp: 144175
Ion Ratio Lower Upper
75 100
77 32.1 23.8 35.6





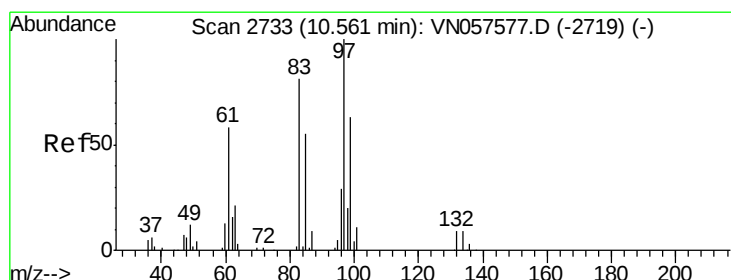
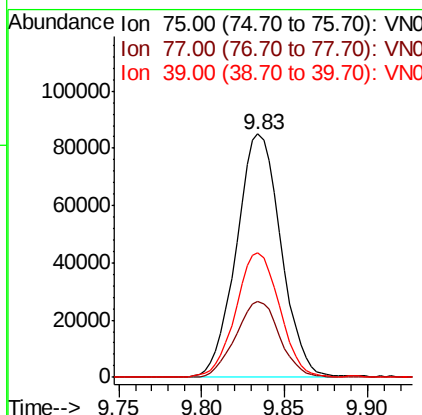
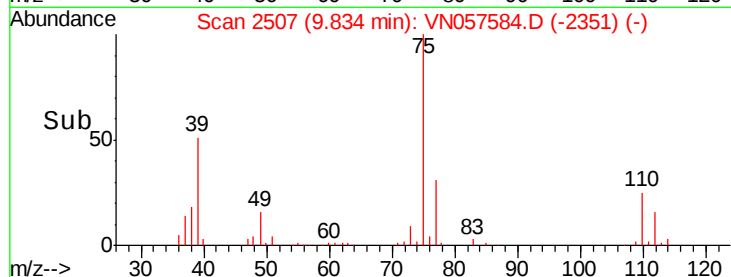
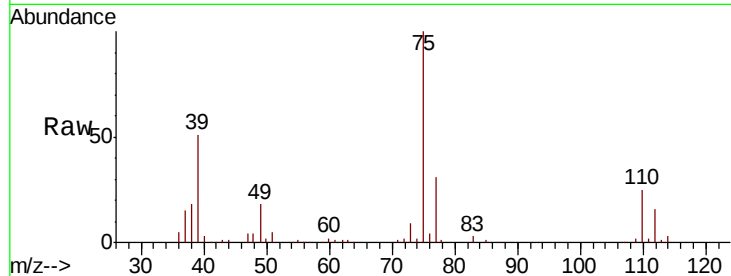
#49
 cis-1,3-Dichloropropene
 Concen: 18.736 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	158990		
77	31.1	25.0	37.4	
39	51.0	39.0	58.4	

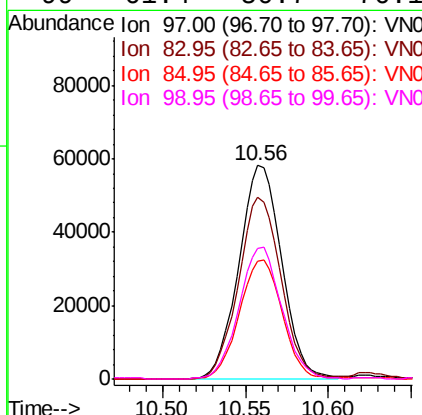
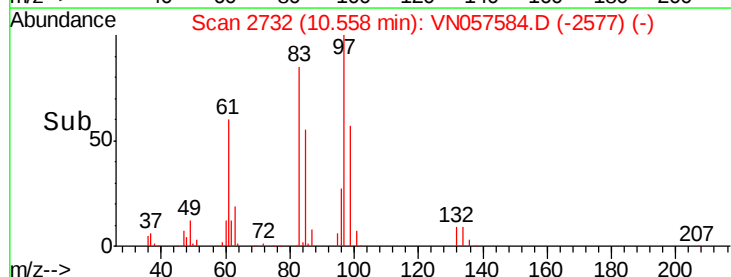
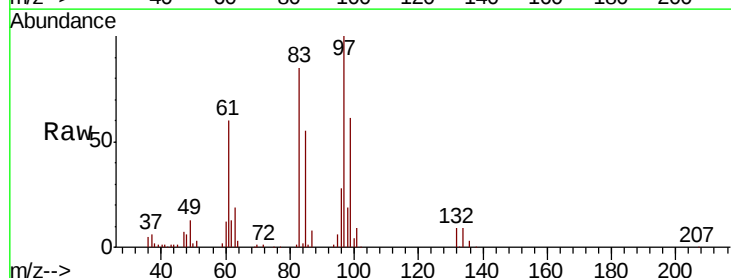
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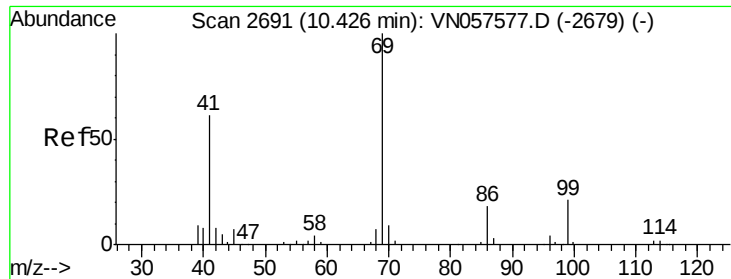
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#50
 1,1,2-Trichloroethane
 Concen: 19.094 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	104995		
83	84.8	65.1	97.7	
85	55.4	43.7	65.5	
99	61.4	50.7	76.1	





#51

Ethyl methacrylate

Concen: 19.831 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

Tgt Ion: 69 Resp: 141933
Ion Ratio Lower Upper

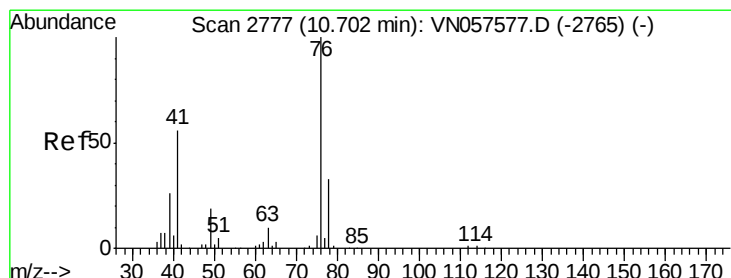
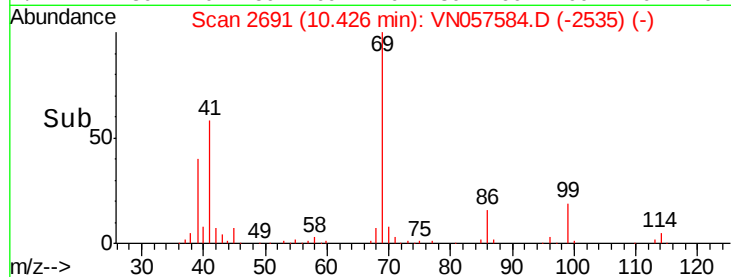
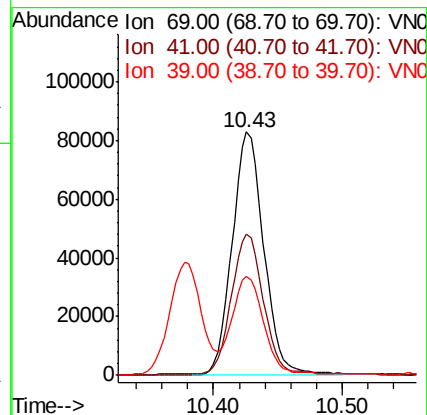
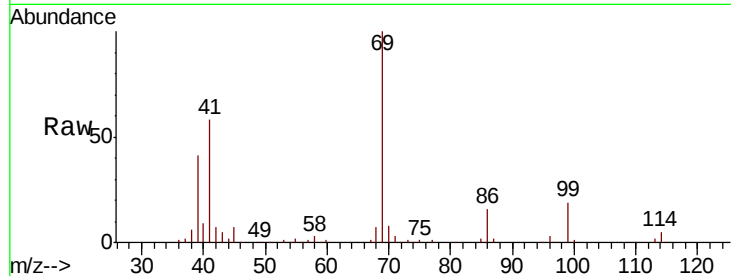
69 100

41 57.4 30.6 92.0

39 39.9 22.3 66.9

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#52

1,3-Dichloropropane

Concen: 19.669 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

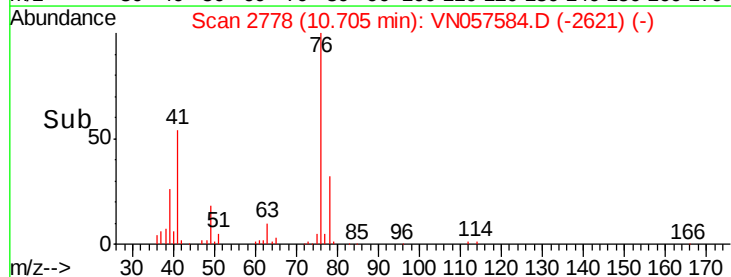
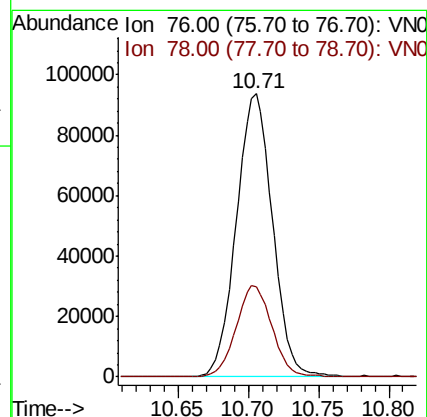
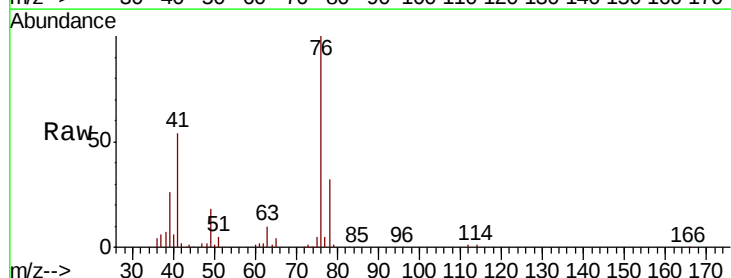
Lab File: VN057584.D

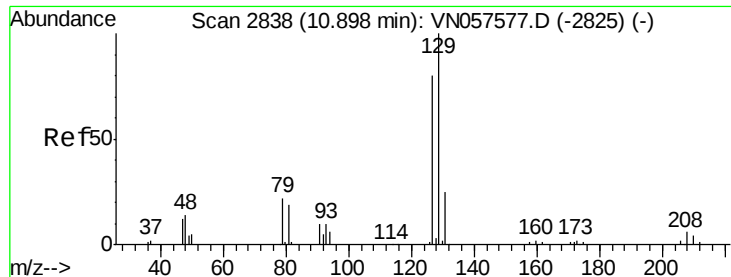
Acq: 30 Aug 2019 13:02

Tgt Ion: 76 Resp: 168526
Ion Ratio Lower Upper

76 100

78 31.8 0.0 67.0





#53

Dibromochloromethane

Concen: 18.064 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampled :

VN0830WBS01

Tgt Ion:129 Resp: 111837

Ion Ratio Lower Upper

129 100

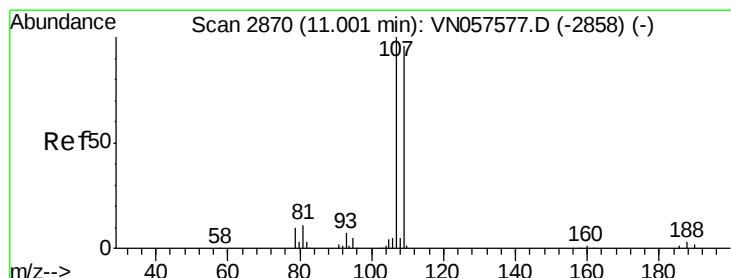
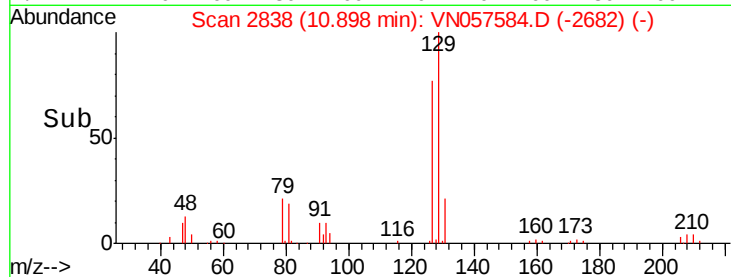
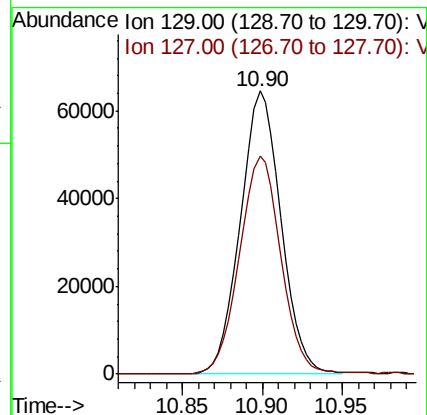
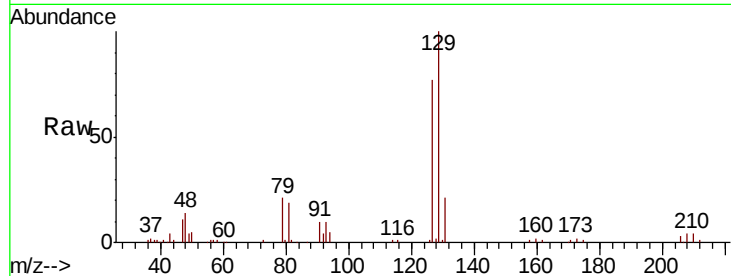
127 78.5 38.9 116.7

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#54

1,2-Dibromoethane

Concen: 18.589 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057584.D

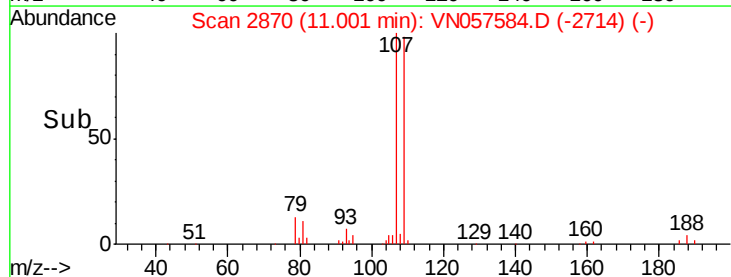
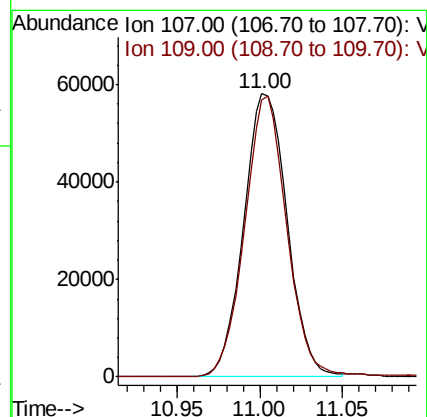
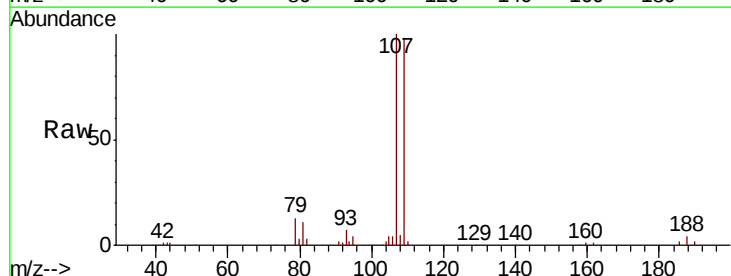
Acq: 30 Aug 2019 13:02

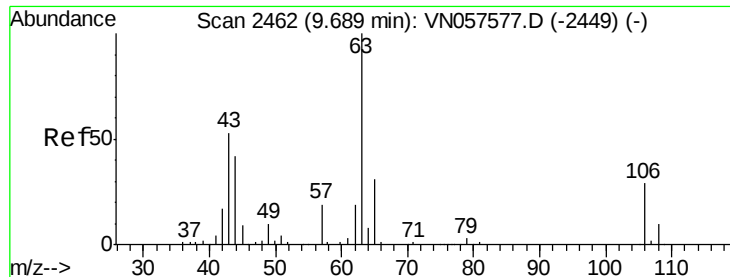
Tgt Ion:107 Resp: 105948

Ion Ratio Lower Upper

107 100

109 95.8 75.2 112.8





#55

2-Chloroethyl vinyl ether

Concen: 92.627 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 63 Resp: 162718

Ion Ratio Lower Upper

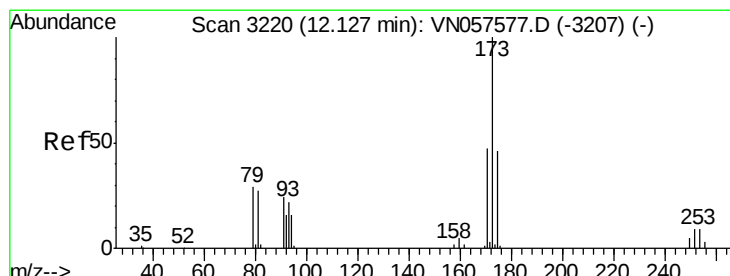
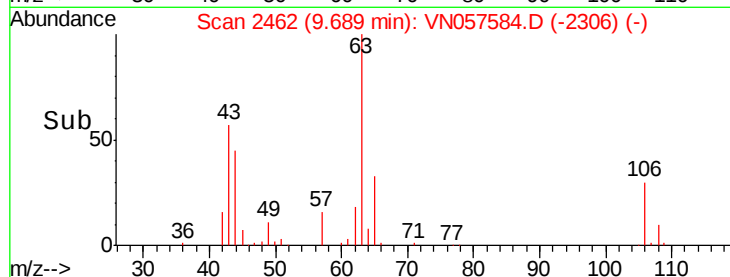
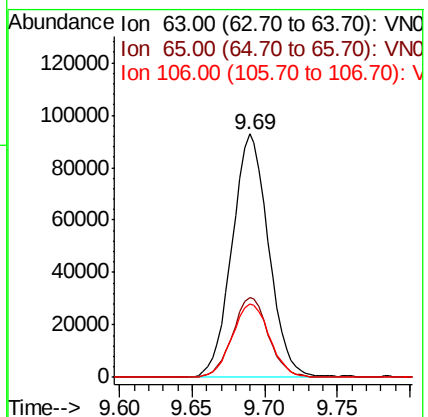
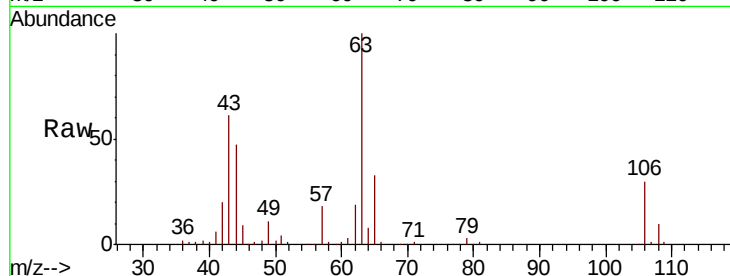
63 100

65 32.2 25.0 37.4

106 30.8 23.7 35.5

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#56

Bromoform

Concen: 16.725 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

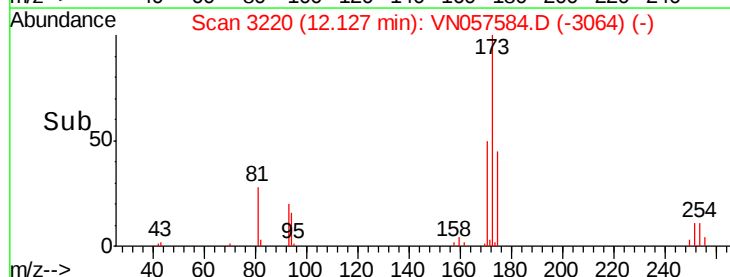
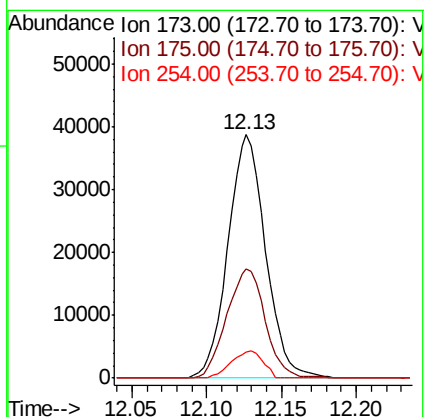
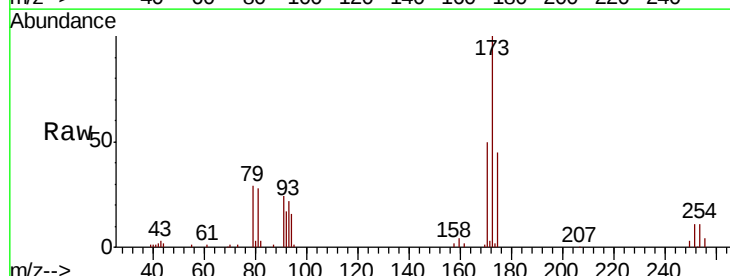
Tgt Ion: 173 Resp: 67715

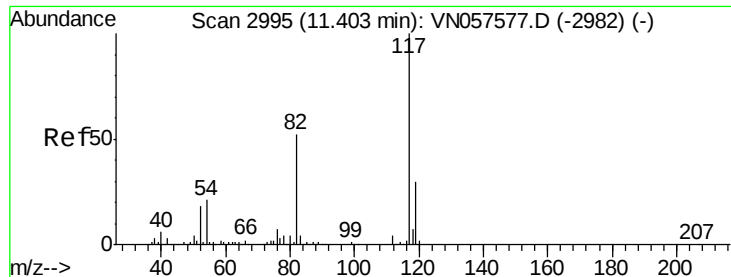
Ion Ratio Lower Upper

173 100

175 45.4 37.3 55.9

254 9.5 2.2 3.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

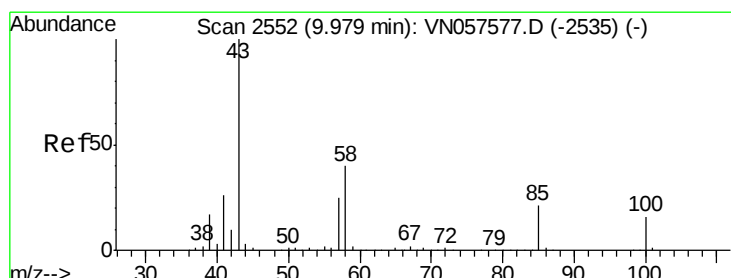
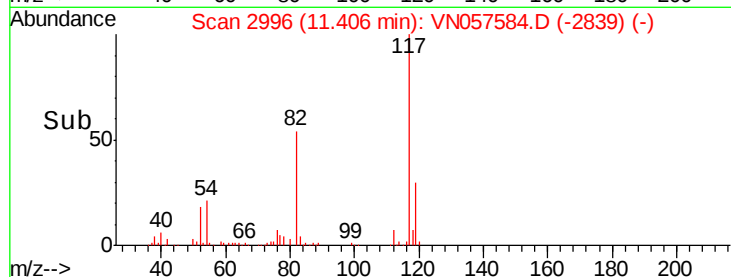
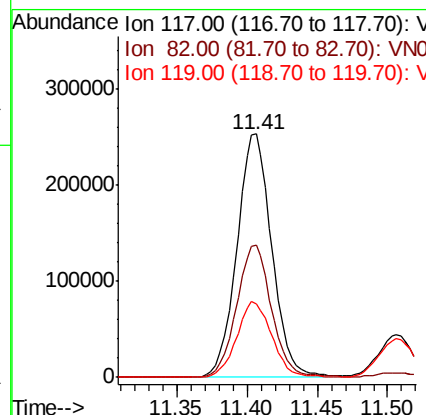
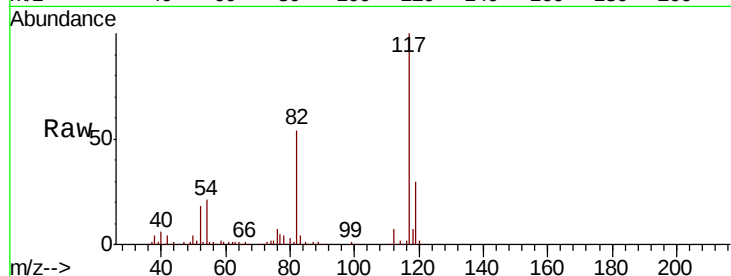
ClientSampleId :

VN0830WBS01

Tgt Ion:	117	Resp:	438387
Ion Ratio	Lower	Upper	
117	100		
82	54.3	42.6	63.8
119	31.3	25.0	37.6

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#58

4-Methyl-2-Pentanone

Concen: 112.786 ug/l

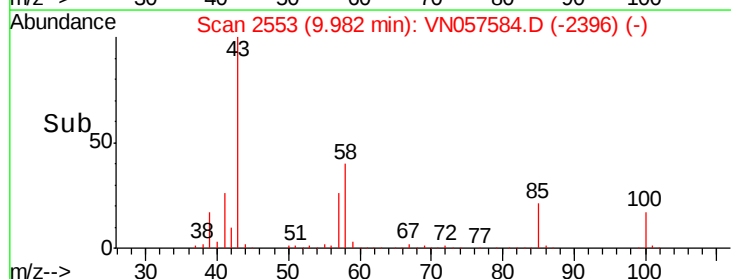
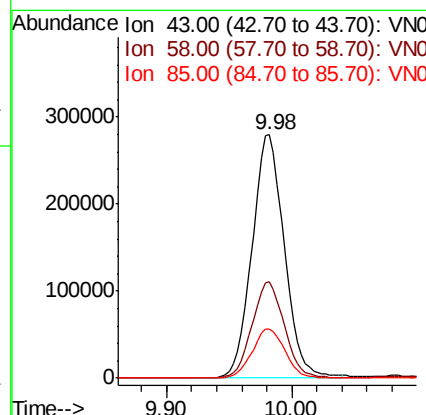
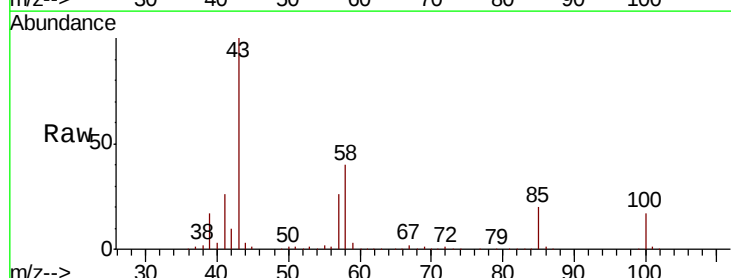
RT: 9.98 min Scan# 2553

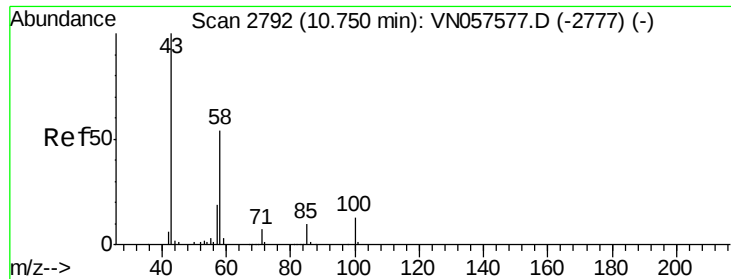
Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Tgt Ion:	43	Resp:	499631
Ion Ratio	Lower	Upper	
43	100		
58	39.7	32.1	48.1
85	20.6	16.6	24.8





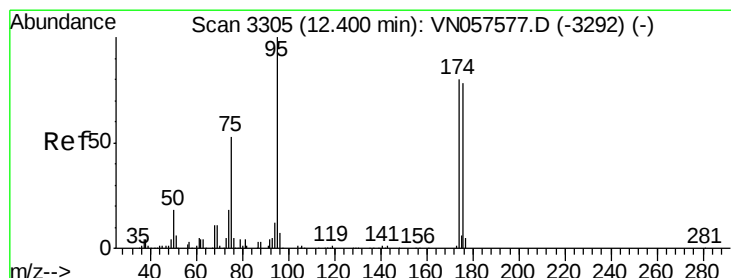
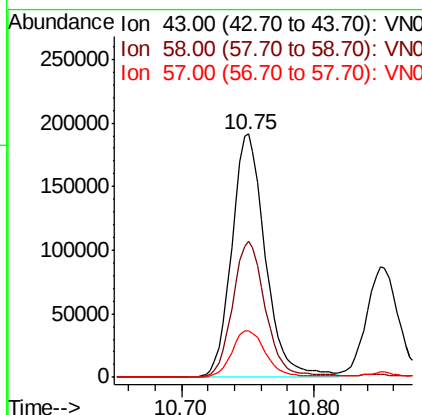
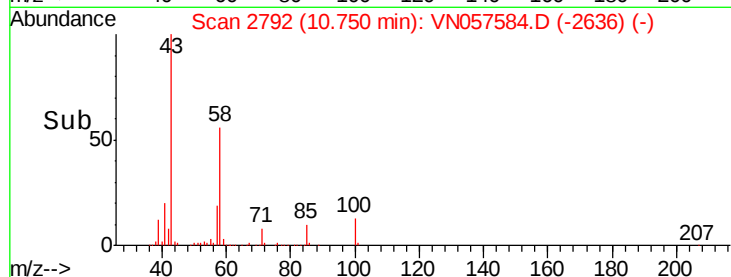
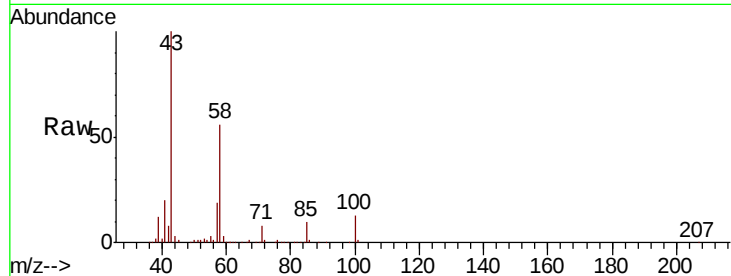
#59
2-Hexanone
Concen: 107.006 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.4	42.9	64.3
57	19.5	15.4	23.2

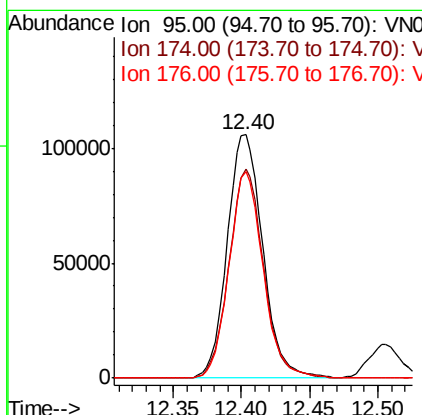
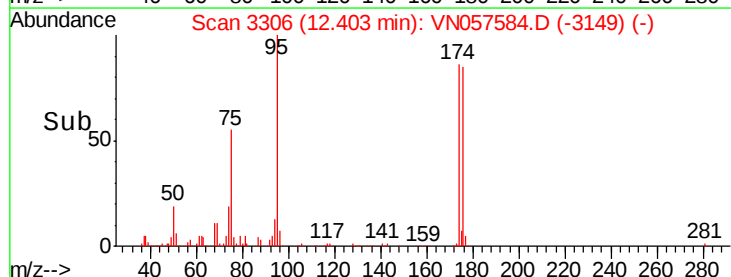
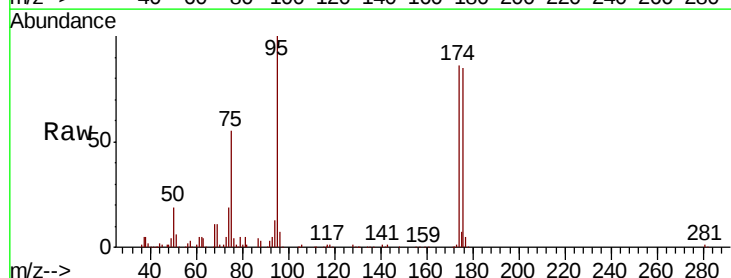
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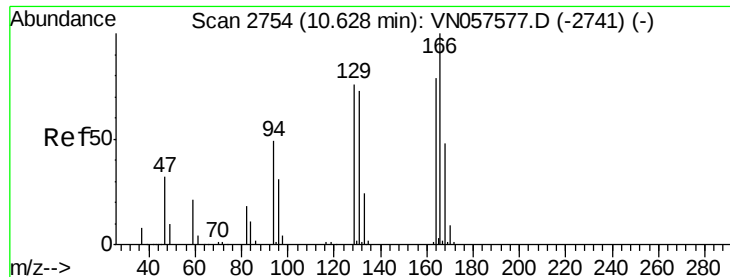
MMDadoda
8/31/2019 10:00:49 AM



#60
4-Bromofluorobenzene
Concen: 28.790 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	66.2	99.2
176	81.3	65.0	97.6





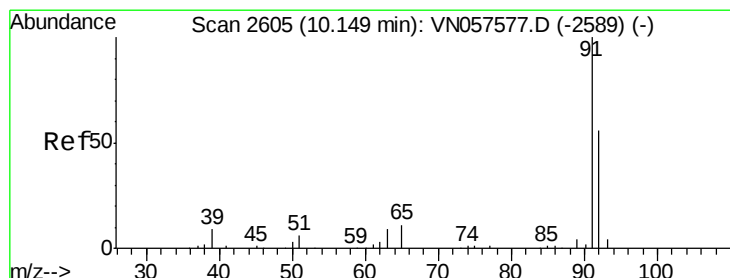
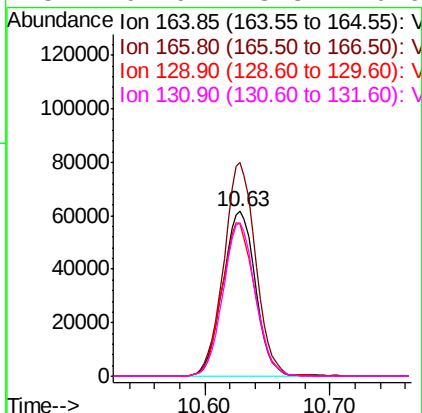
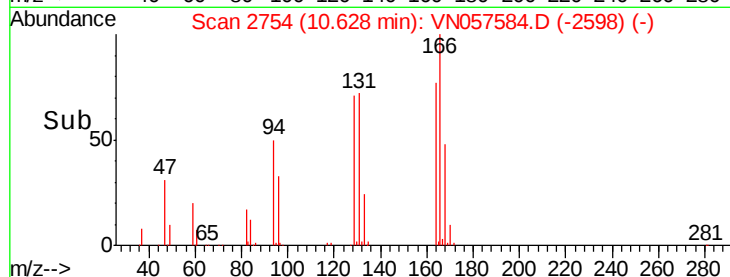
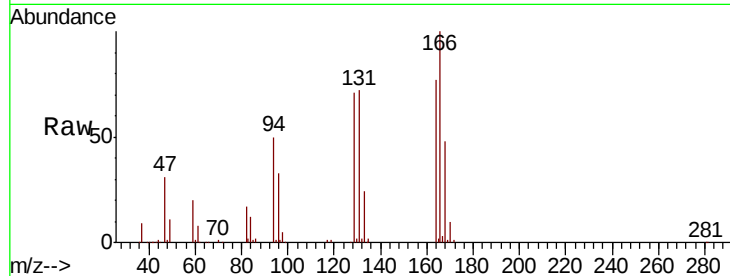
#61
Tetrachloroethene
Concen: 19.965 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	100.7	151.1
129	92.1	76.3	114.5
131	92.9	73.8	110.6

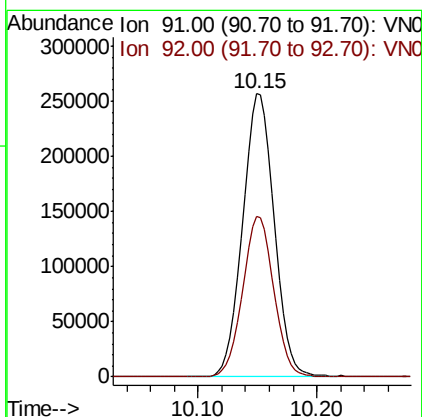
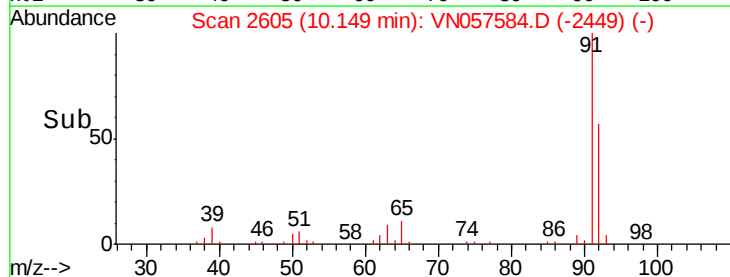
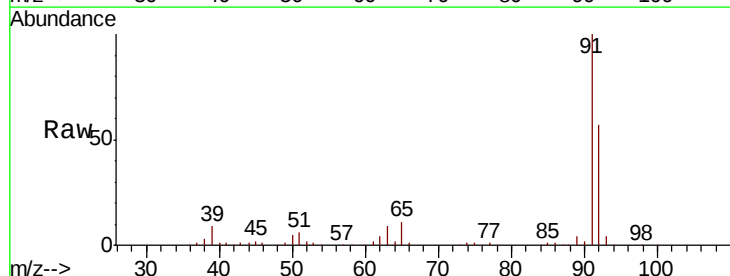
Manual Integrations
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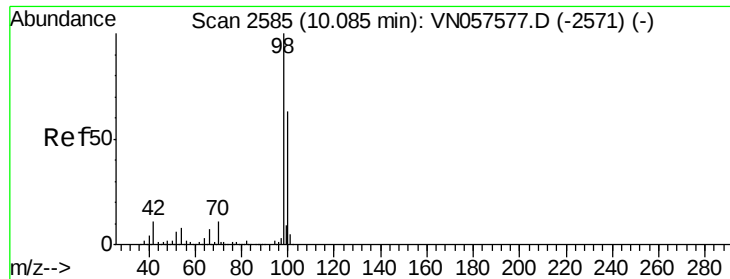
MMDadoda
8/31/2019 10:00:49 AM



#62
Toluene
Concen: 21.244 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.7	45.4	68.2





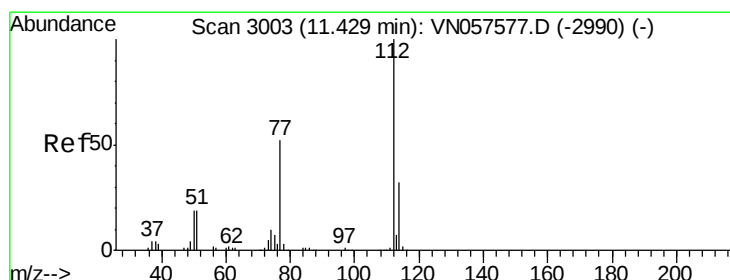
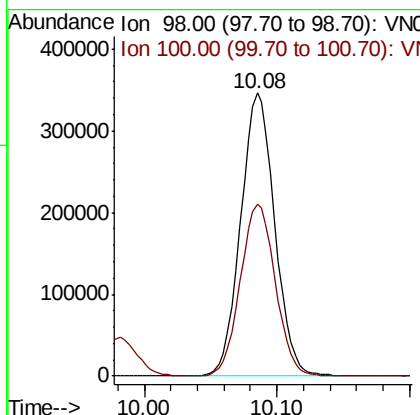
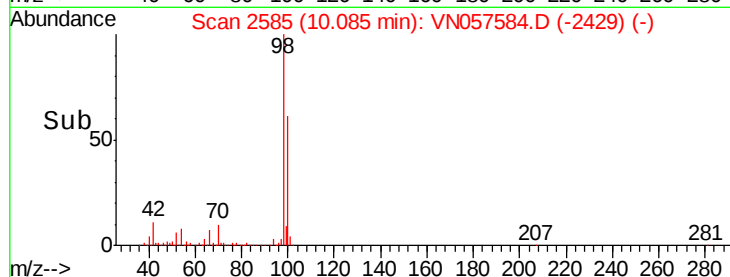
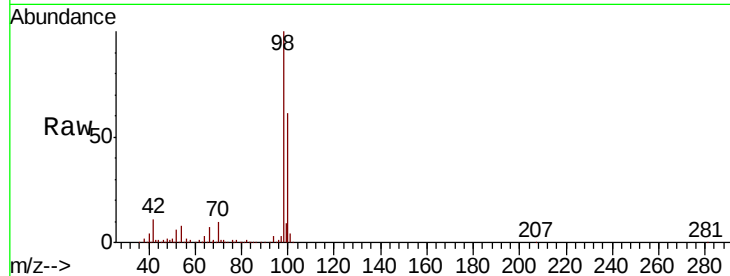
#63
Toluene-d8
Concen: 30.377 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion: 98 Resp: 616713
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2

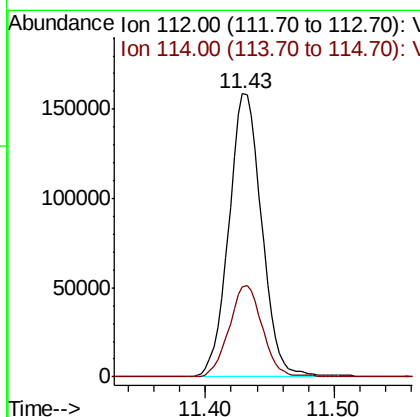
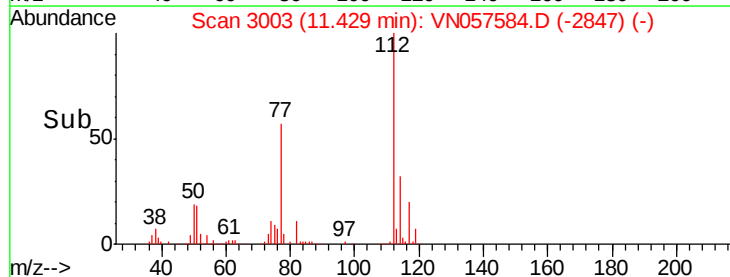
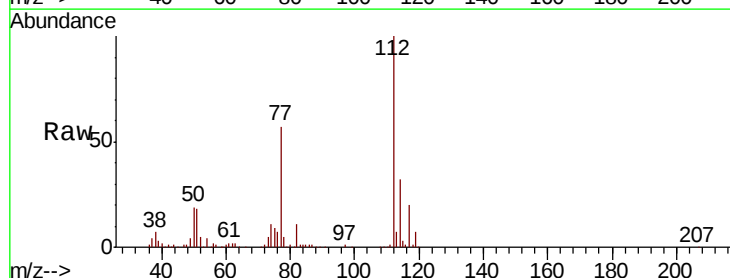
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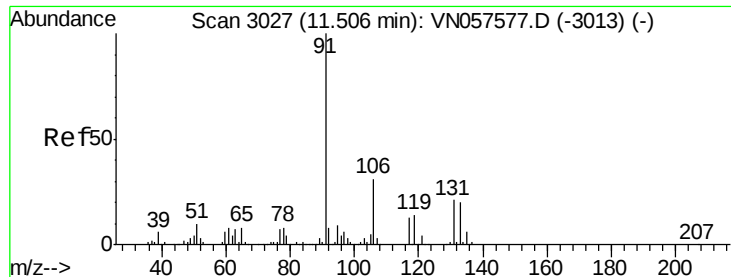
MMDadoda
8/31/2019 10:00:49 AM



#64
Chlorobenzene
Concen: 19.675 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion: 112 Resp: 281649
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.661 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

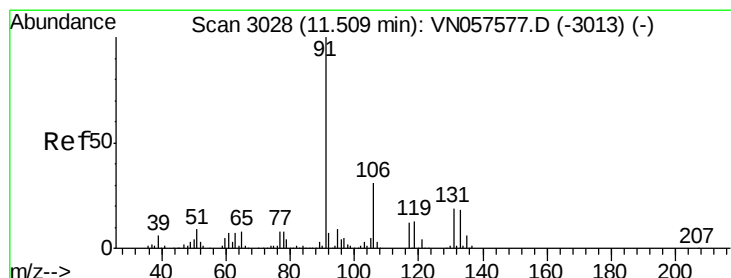
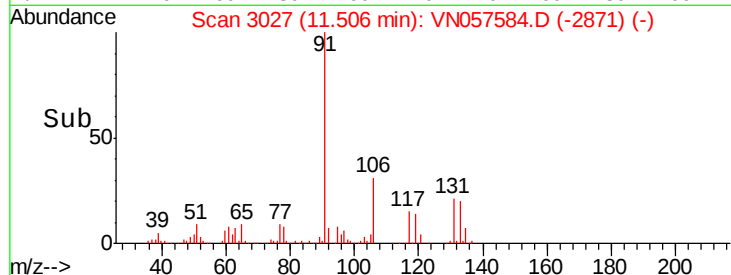
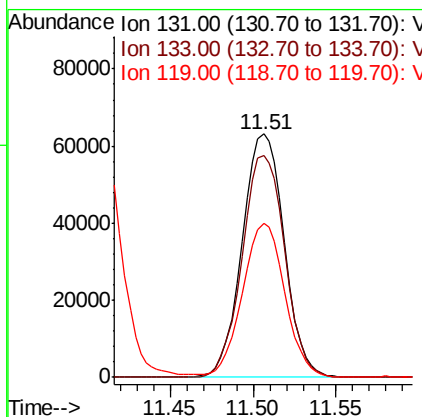
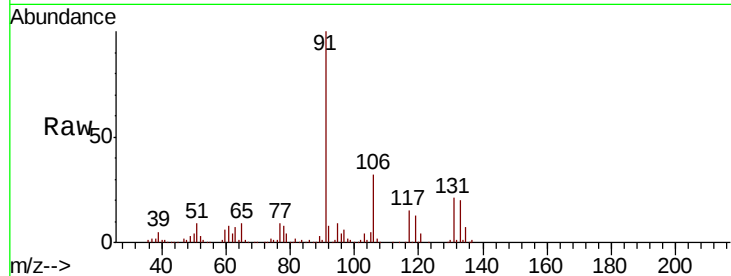
ClientSampleId :

VN0830WBS01

Tgt Ion:	131	Resp:	111687
Ion Ratio	Lower	Upper	
131	100		
133	92.5	0.0	186.0
119	63.8	0.0	134.6

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#66

Ethyl Benzene

Concen: 21.313 ug/l

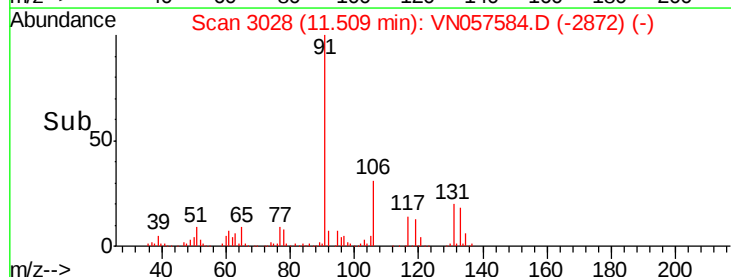
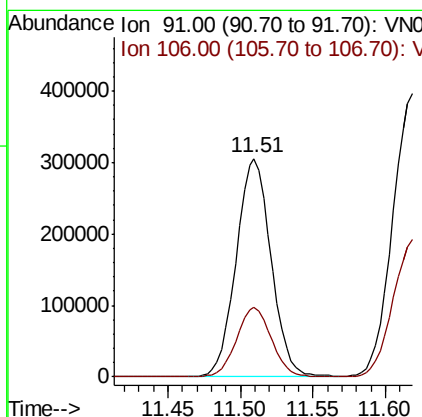
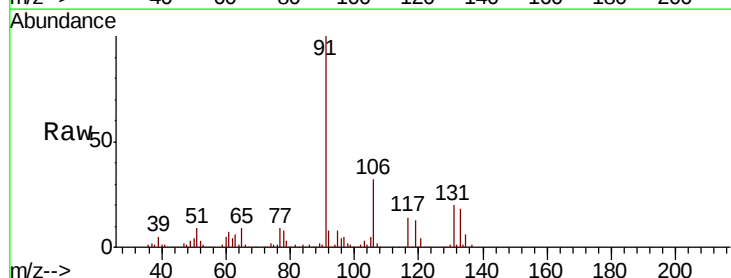
RT: 11.51 min Scan# 3028

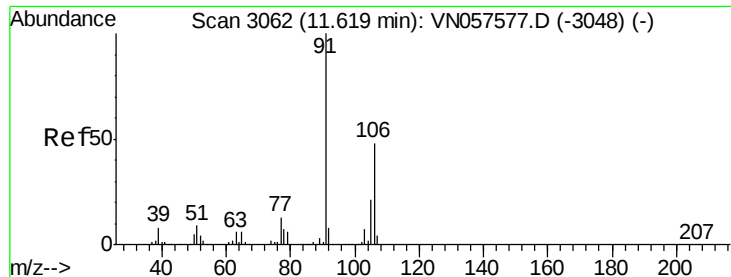
Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Tgt Ion:	91	Resp:	509666
Ion Ratio	Lower	Upper	
91	100		
106	31.6	24.7	37.1





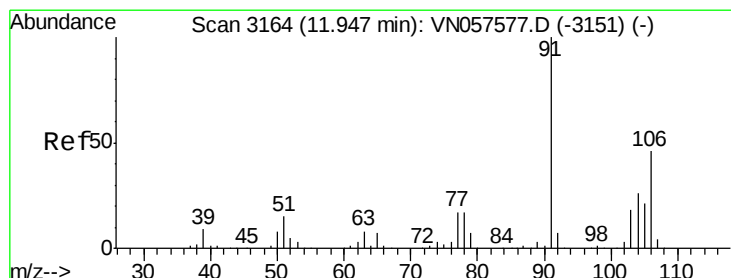
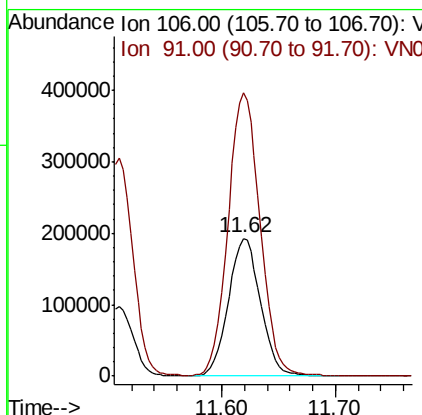
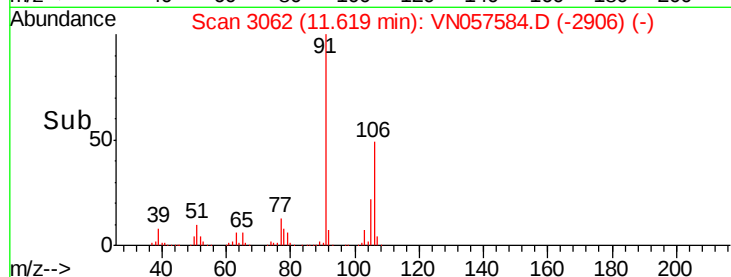
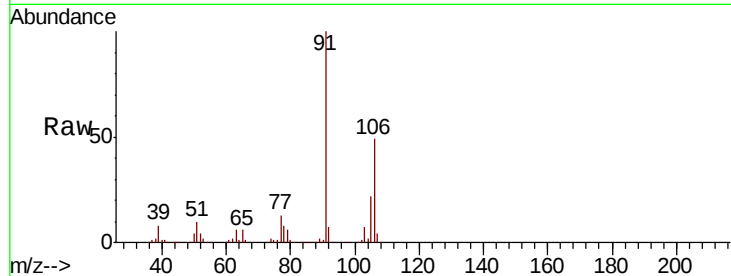
#67
m/p-Xylenes
Concen: 39.720 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

Tgt Ion:106 Resp: 380036
Ion Ratio Lower Upper
106 100
91 205.2 164.1 246.1

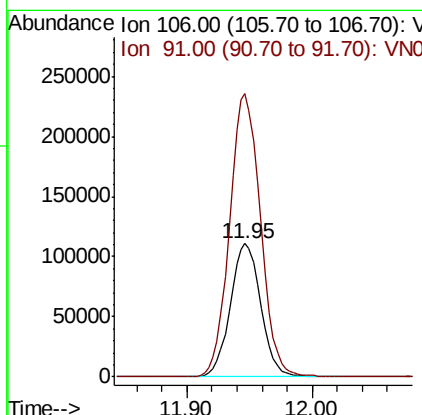
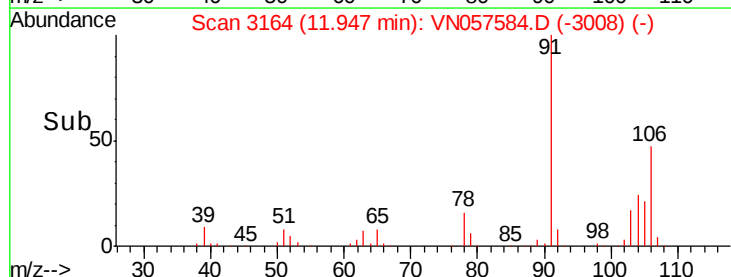
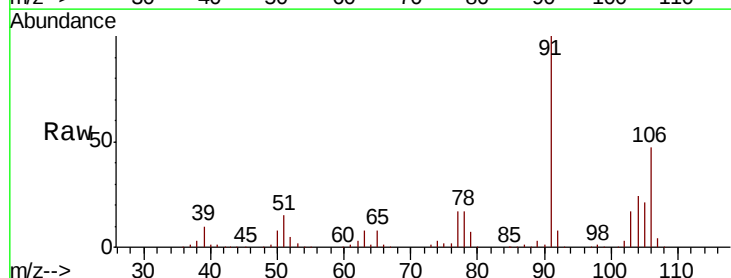
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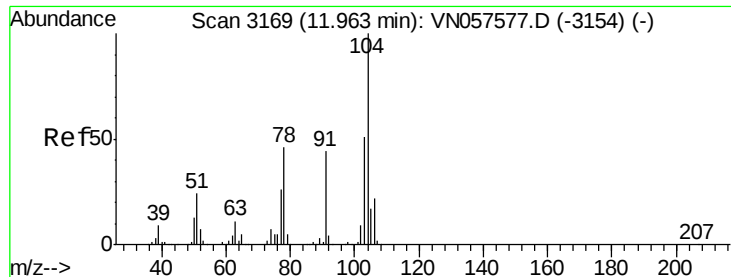
MMDadoda
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#68
o-Xylene
Concen: 19.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion:106 Resp: 186710
Ion Ratio Lower Upper
106 100
91 216.2 107.8 323.6





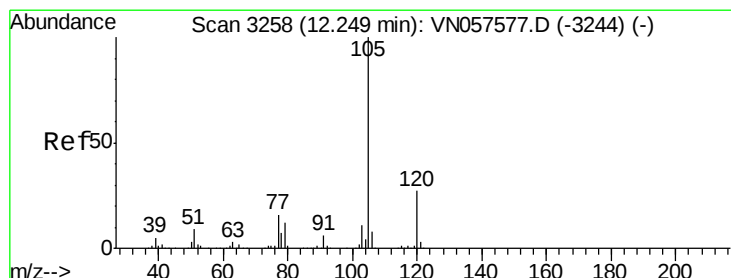
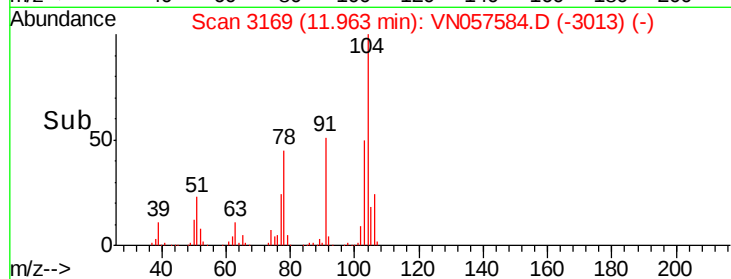
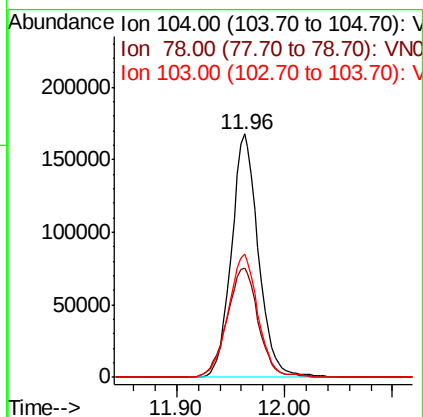
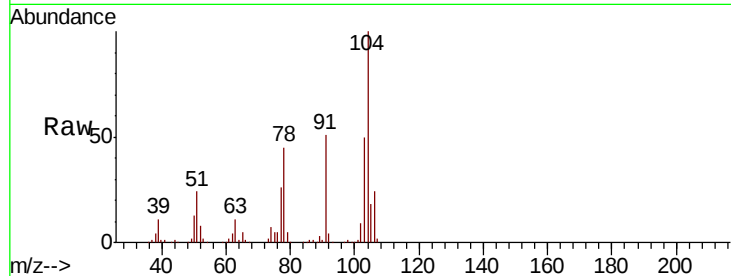
#69
Styrene
Concen: 19.268 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	293584		
78	51.9	41.4	62.0	
103	55.2	44.8	67.2	

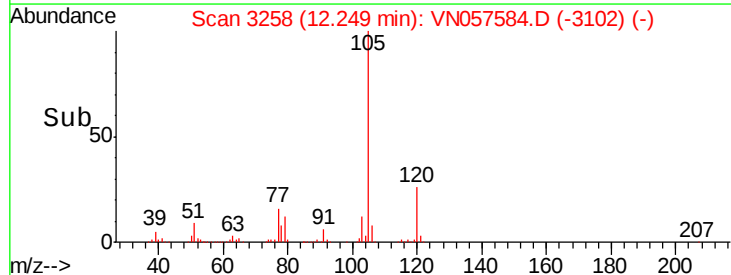
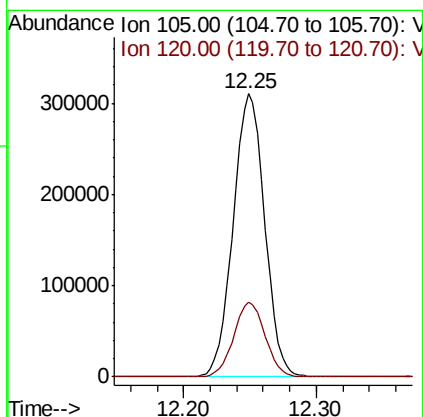
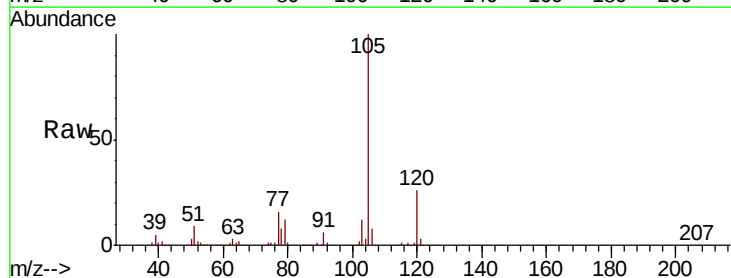
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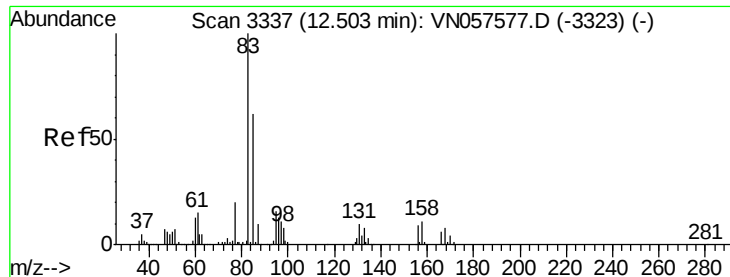
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#70
Isopropylbenzene
Concen: 21.268 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	512494		
120	26.2	18.7	34.7	





#71

1,1,2,2-Tetrachloroethane

Concen: 19.965 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 83 Resp: 127967
Ion Ratio Lower Upper

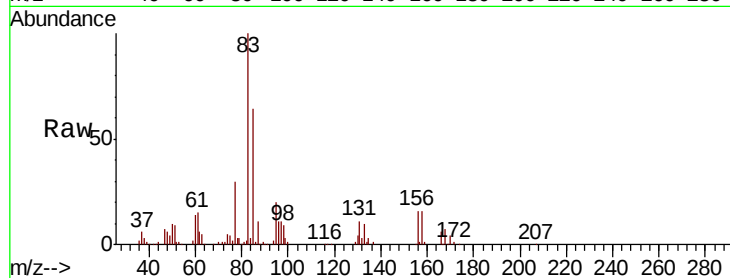
83 100

131 11.1 5.2 15.6

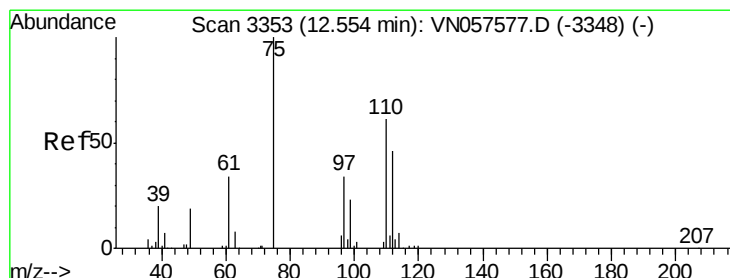
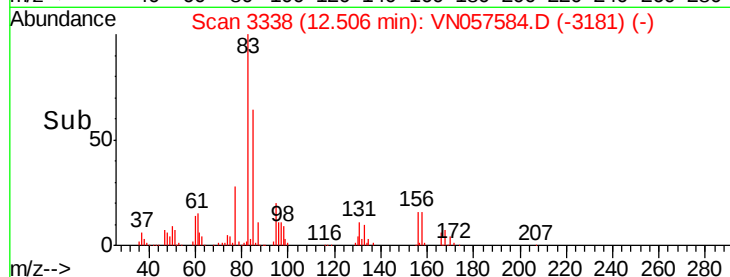
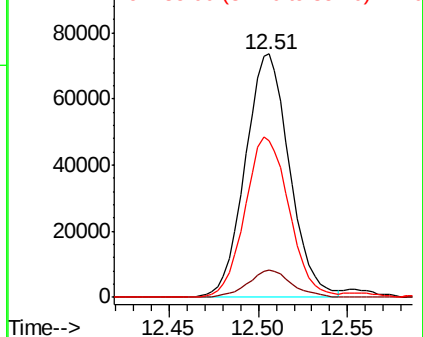
85 65.4 31.6 94.8

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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VN



#72

1,2,3-Trichloropropane

Concen: 21.946 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

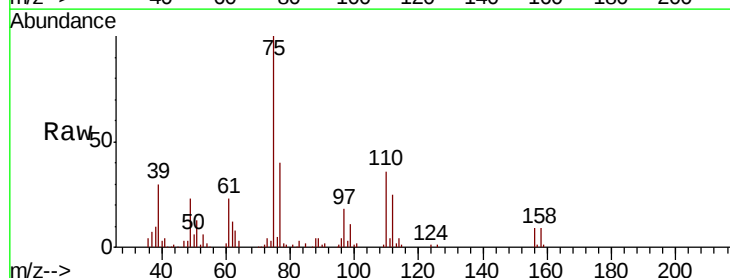
Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

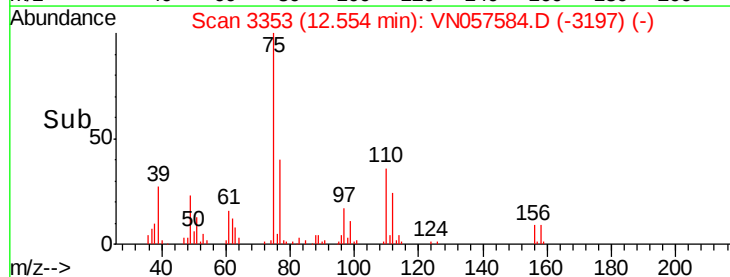
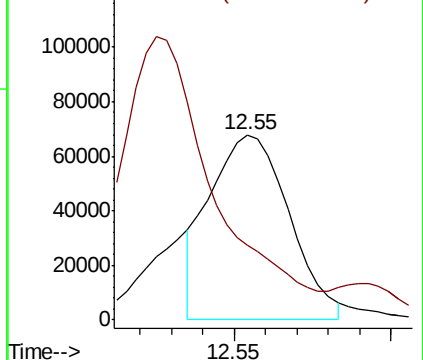
Tgt Ion: 75 Resp: 119415
Ion Ratio Lower Upper

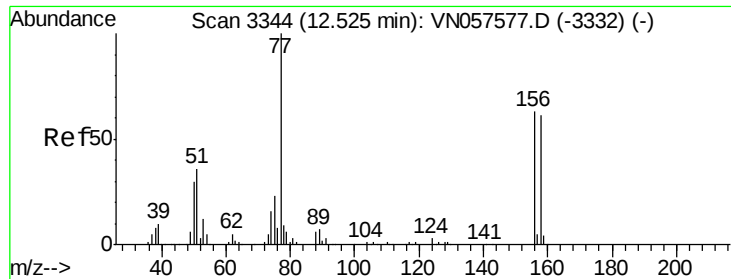
75 100

77 183.6 0.0 399.2



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 77.00 (76.70 to 77.70): VN





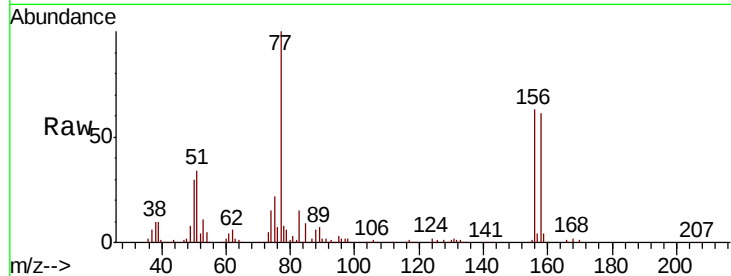
#73
Bromobenzene
Concen: 18.863 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

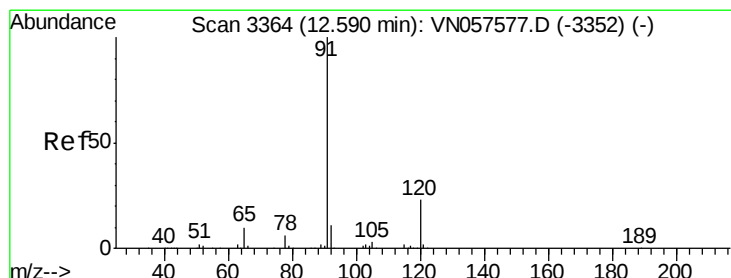
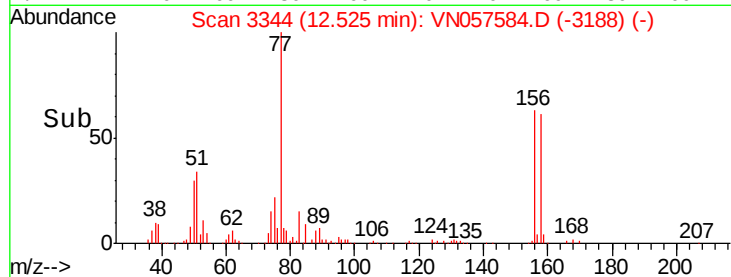
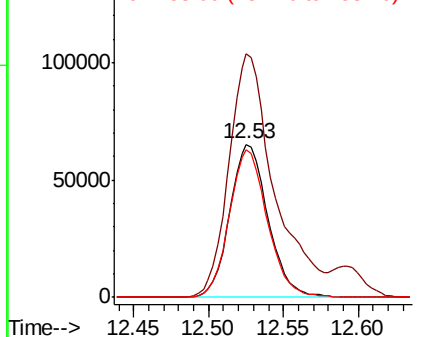
Tgt Ion	Ratio	Resp	Lower	Upper
156	100	116194		
77	188.7	0.0	374.6	
158	96.1	0.0	197.4	

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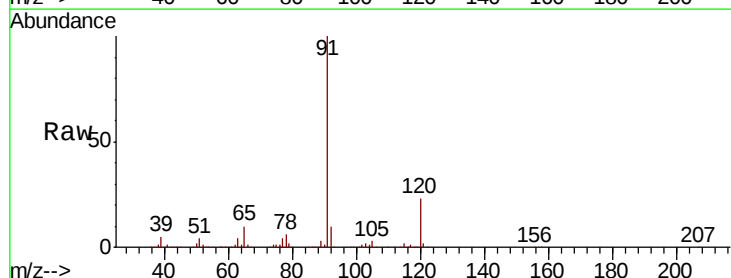


Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V

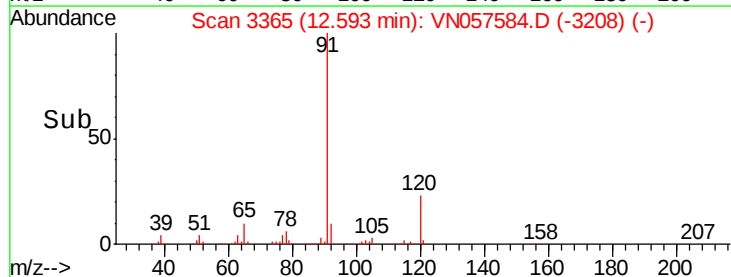
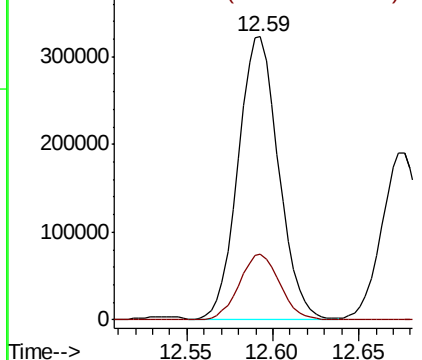


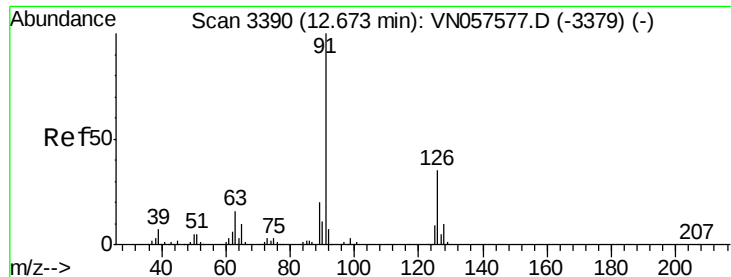
#74
n-propylbenzene
Concen: 21.369 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	530830		
120	23.1	0.0	46.6	



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.931 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057584.D

Acq: 30 Aug 2019 13:02

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBS01

Tgt Ion: 91 Resp: 319795

Ion Ratio Lower Upper

91 100

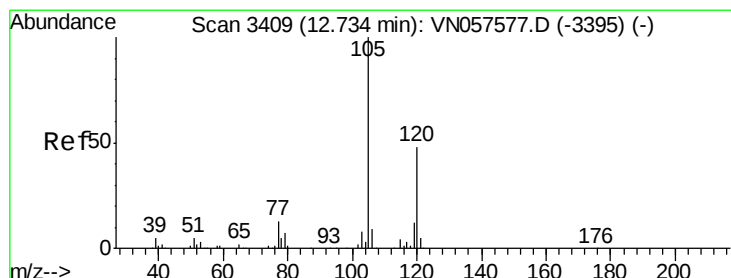
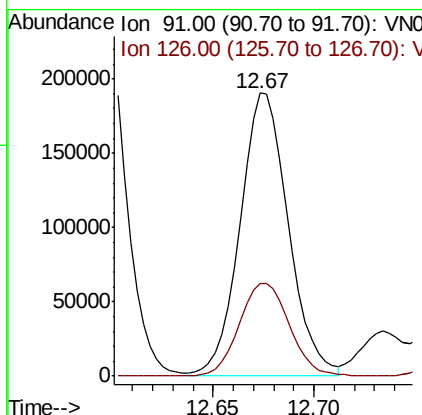
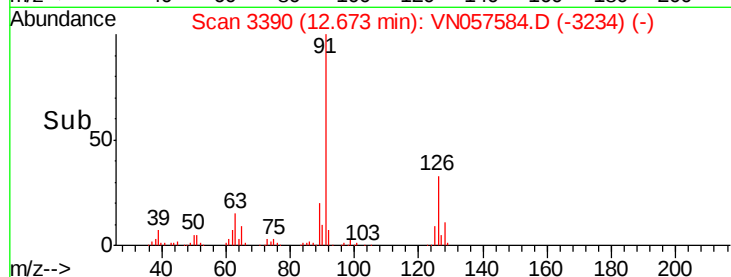
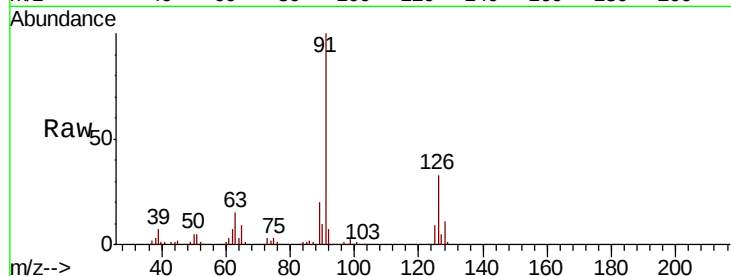
126 34.2 0.0 70.4

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.747 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057584.D

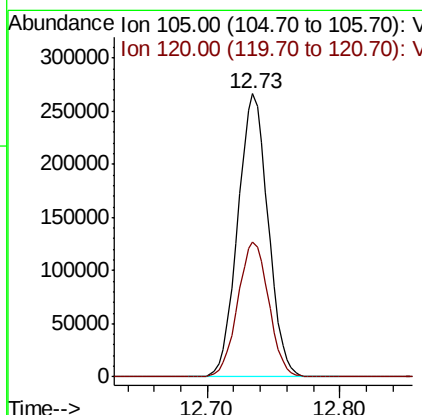
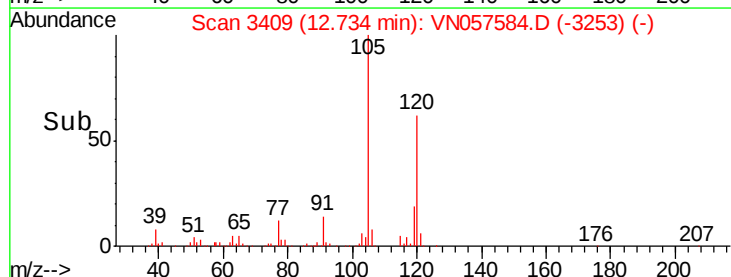
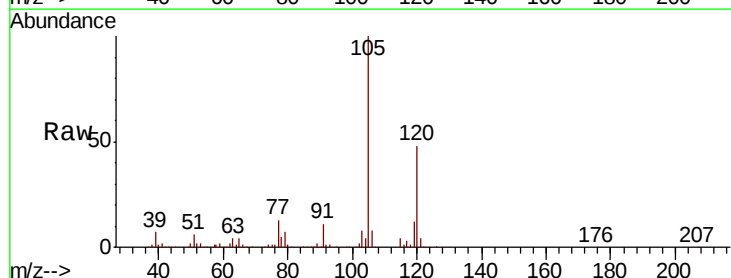
Acq: 30 Aug 2019 13:02

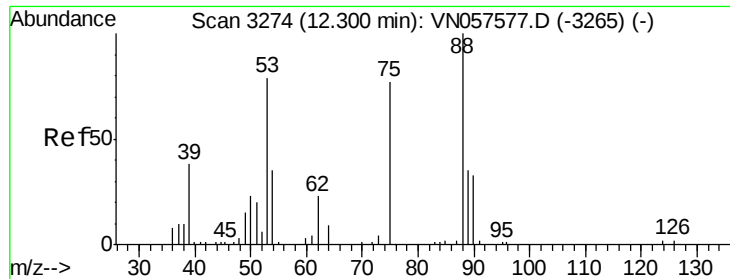
Tgt Ion: 105 Resp: 423087

Ion Ratio Lower Upper

105 100

120 48.6 0.0 95.8





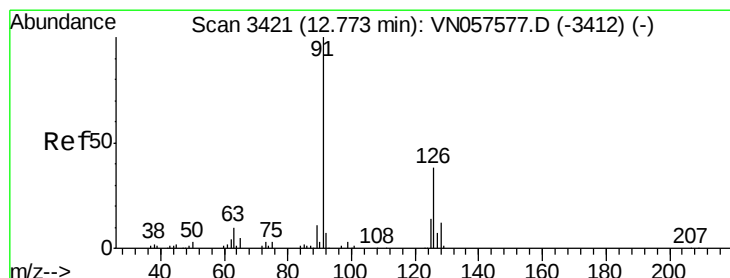
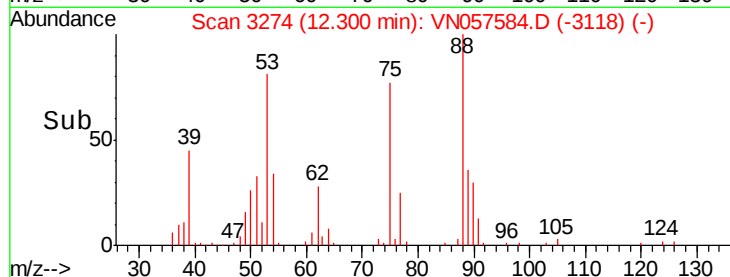
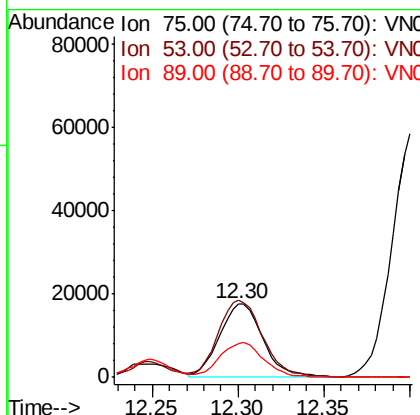
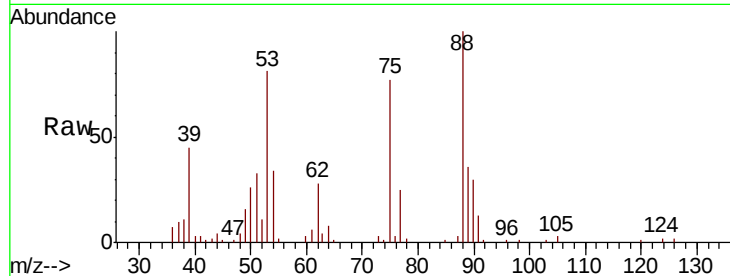
#77
t-1,4-Dichloro-2-butene
Concen: 18.096 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampled :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.7	52.8	158.4
89	46.4	23.2	69.5

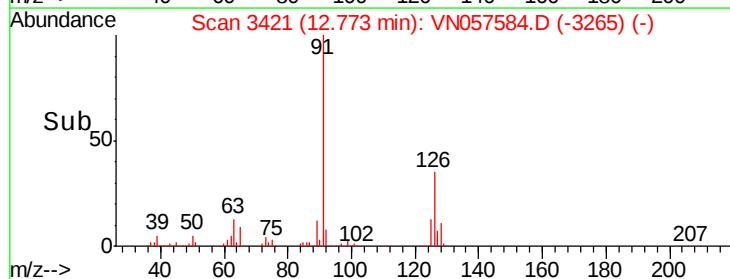
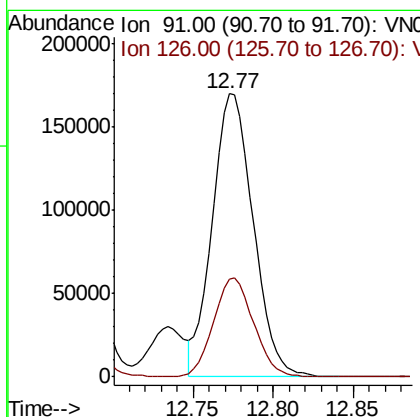
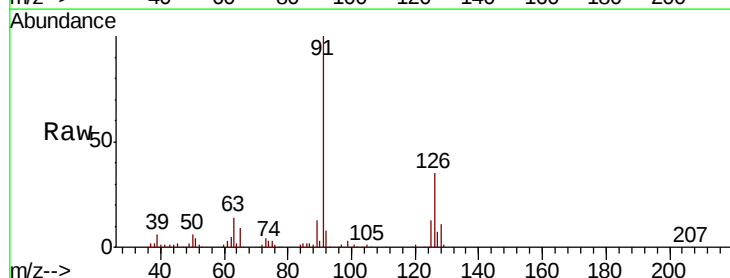
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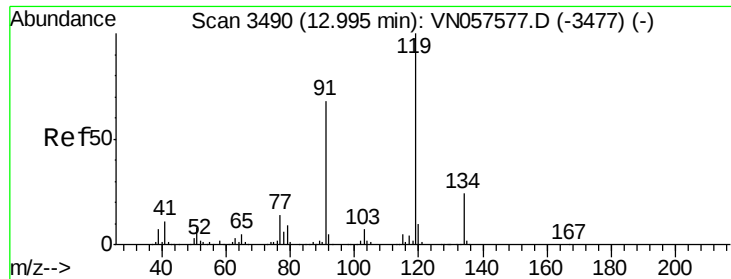
MMDadoda
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#78
4-Chlorotoluene
Concen: 19.450 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	0.0	68.6





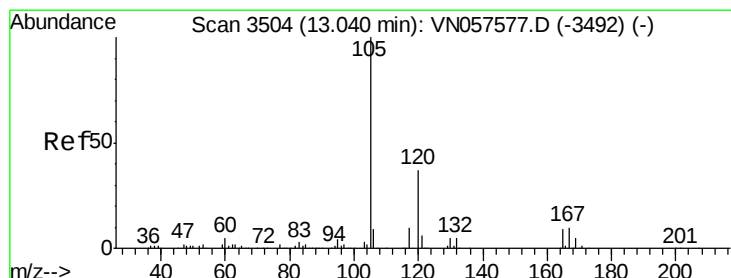
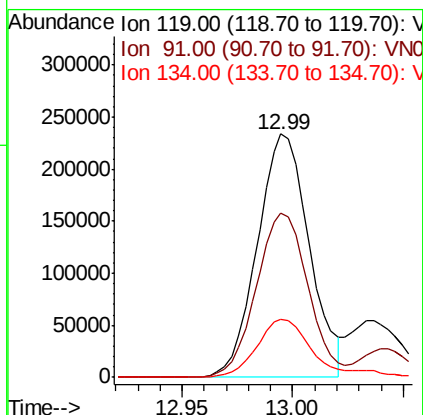
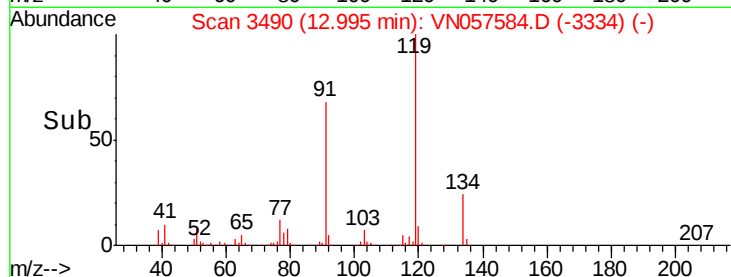
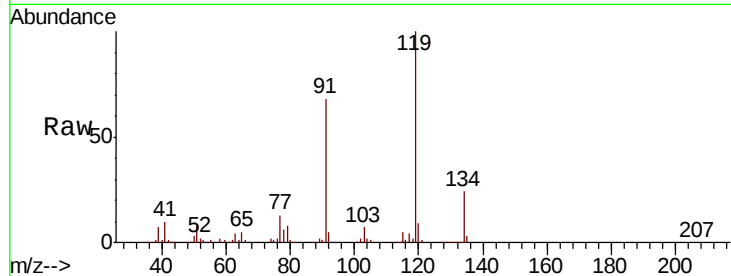
#79
tert-butylbenzene
Concen: 20.446 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	381051		
91	67.5	0.0	137.6	
134	24.0	0.0	47.8	

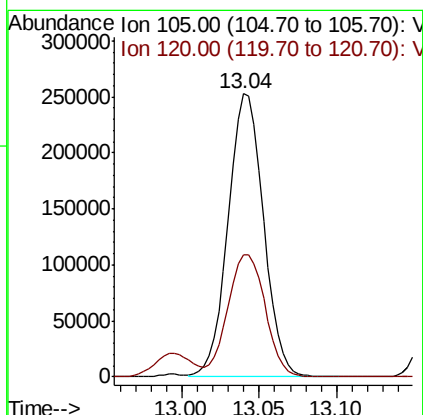
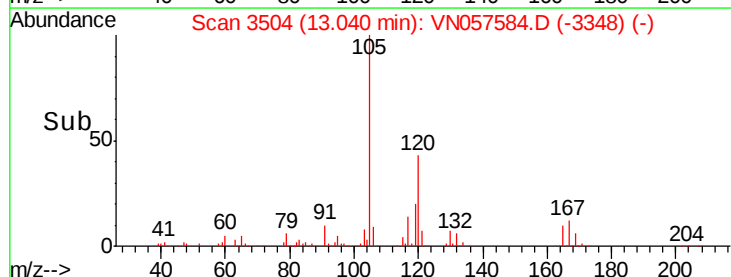
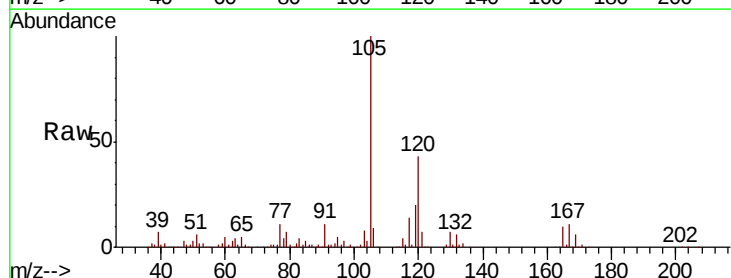
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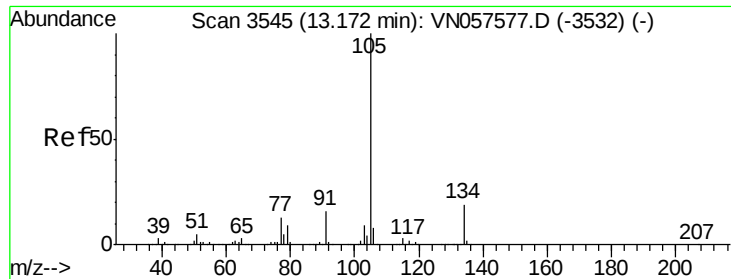
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#80
1,2,4-Trimethylbenzene
Concen: 20.906 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	401867		
120	45.5	0.0	87.2	





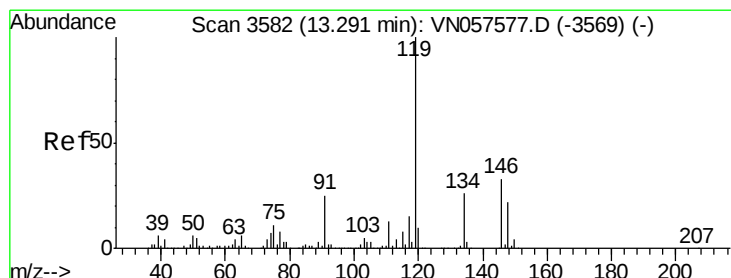
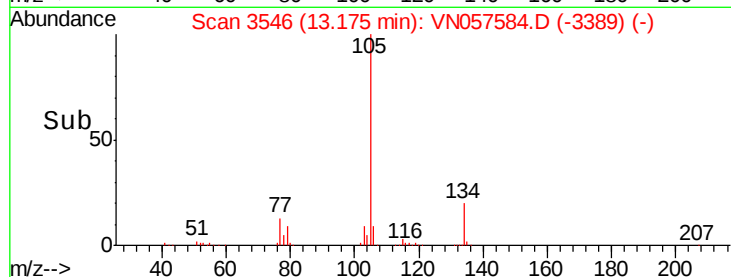
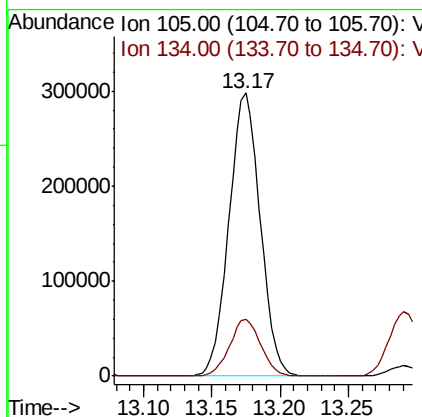
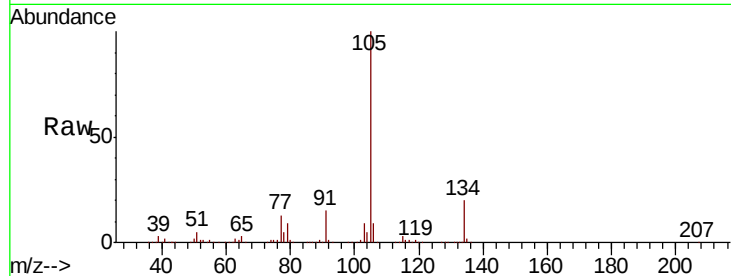
#81
 sec-Butylbenzene
 Concen: 20.880 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.1	0.0	39.2

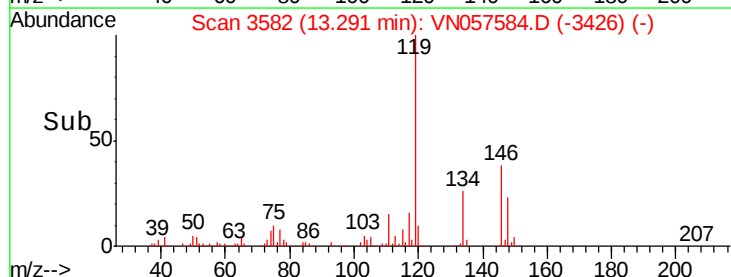
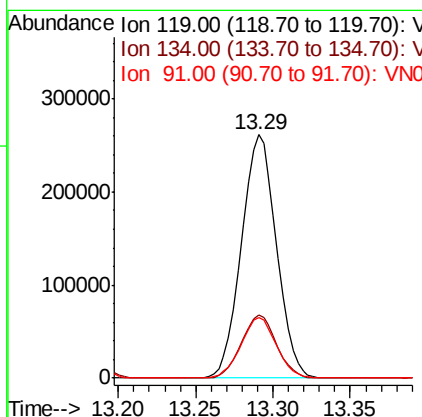
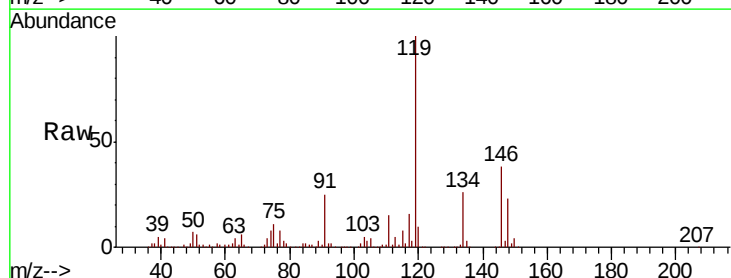
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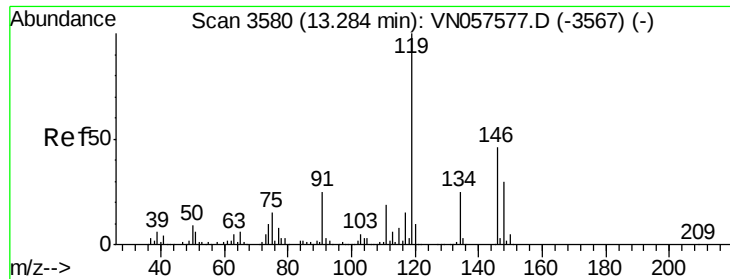
MMDadoda
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#82
 p-Isopropyltoluene
 Concen: 20.492 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	51.6
91	25.3	0.0	50.8





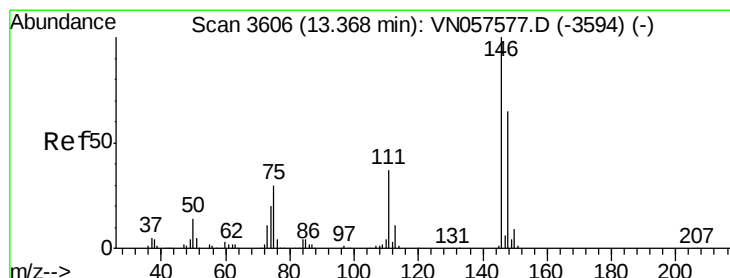
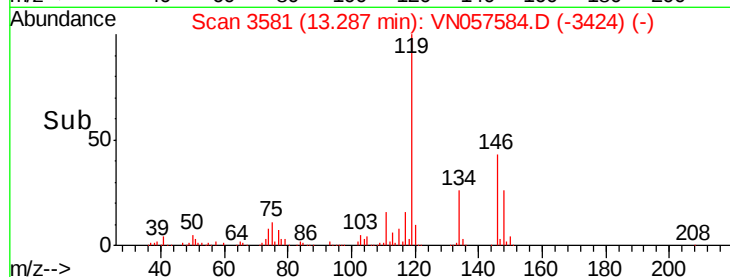
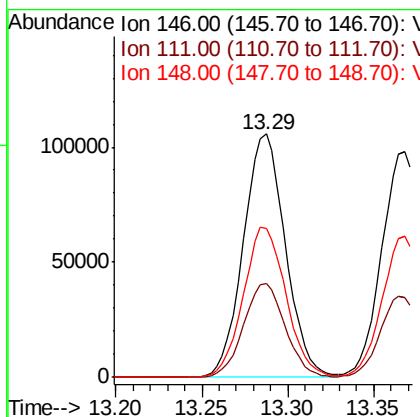
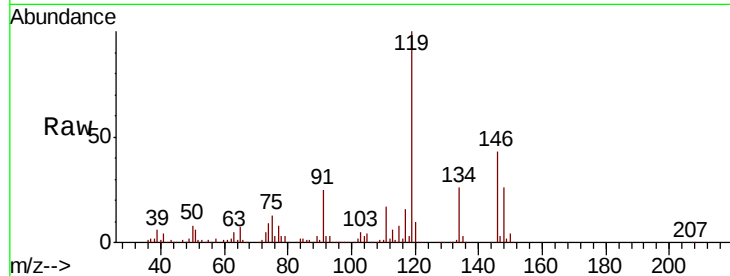
#83
 1,3-Dichlorobenzene
 Concen: 18.034 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	179690		
111	38.2	20.0	60.0	
148	62.5	32.3	96.9	

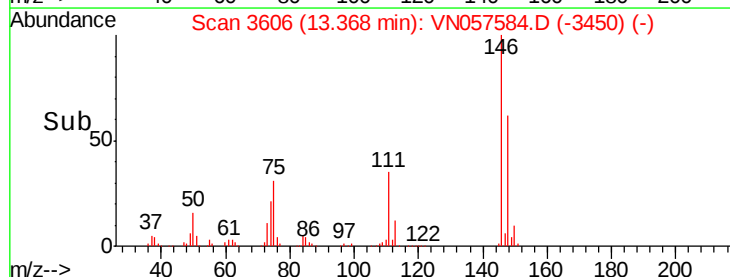
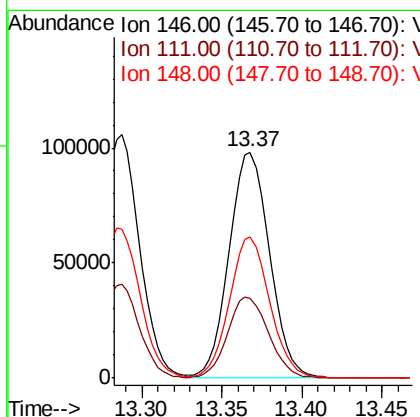
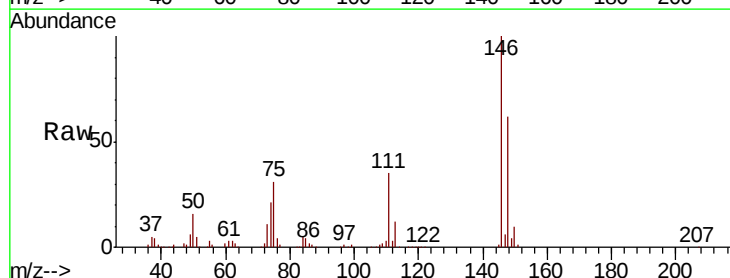
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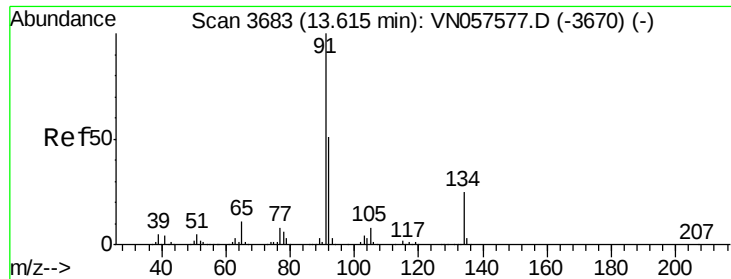
MMDadoda
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#84
 1,4-Dichlorobenzene
 Concen: 17.769 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169809		
111	36.3	19.3	57.9	
148	62.3	32.2	96.6	





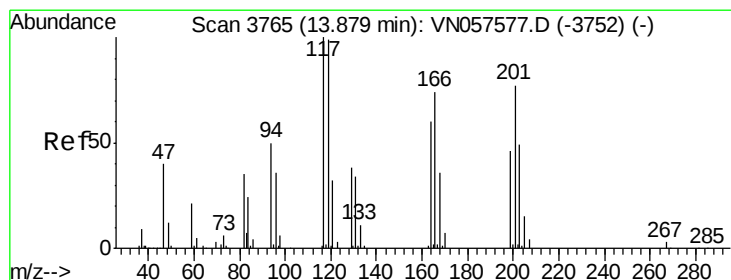
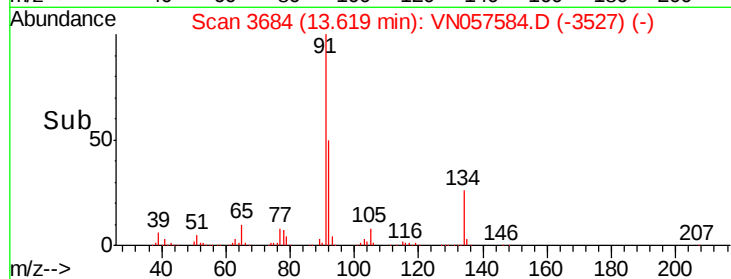
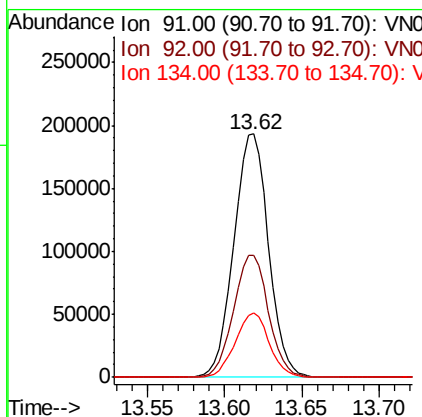
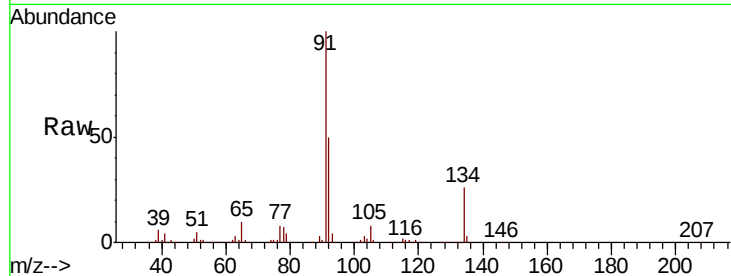
#85
n-Butylbenzene
Concen: 19.187 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	300214		
92	50.4	0.0	103.0	
134	25.9	0.0	51.0	

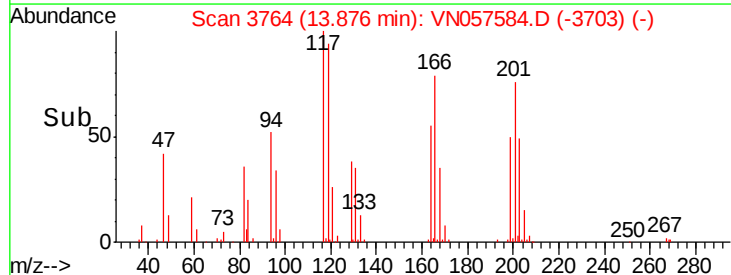
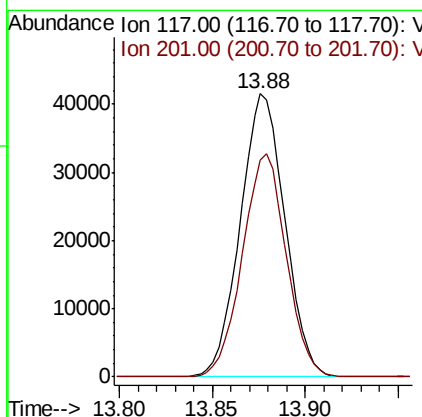
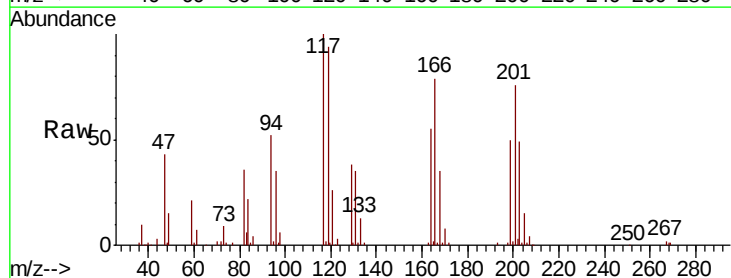
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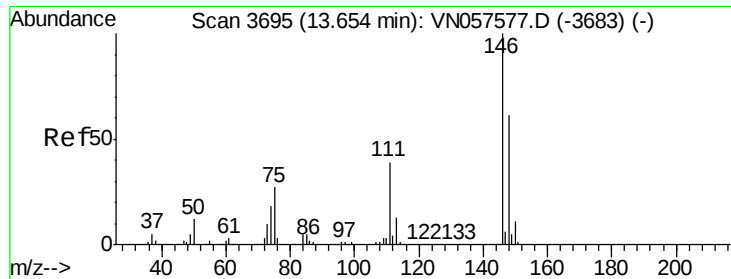
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#86
Hexachloroethane
Concen: 18.025 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	69251		
201	77.5	38.0	113.9	





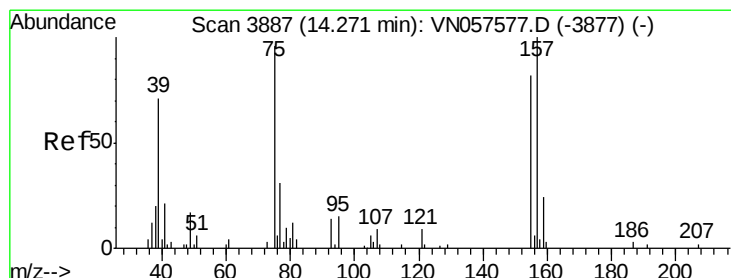
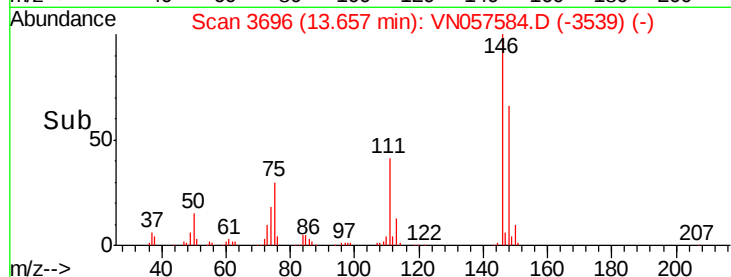
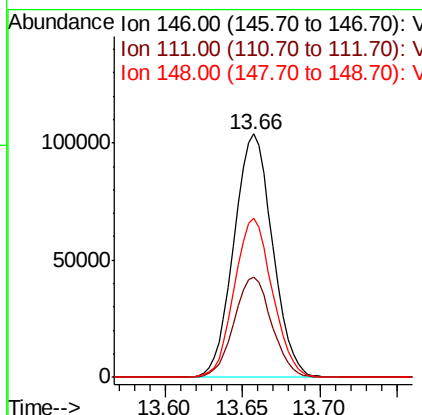
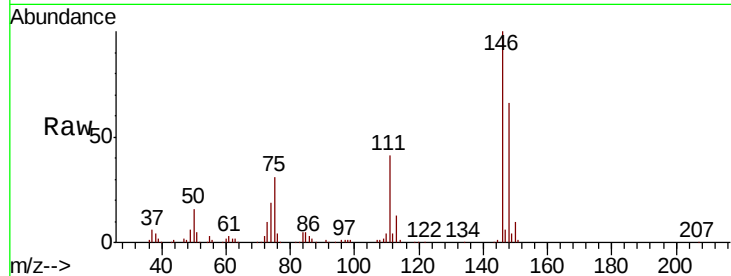
#87
 1,2-Dichlorobenzene
 Concen: 18.835 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.9	59.6
148	64.2	31.2	93.6

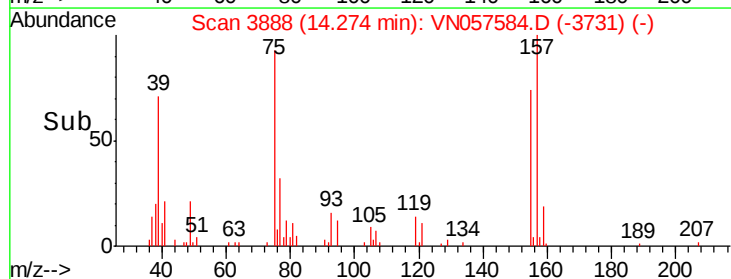
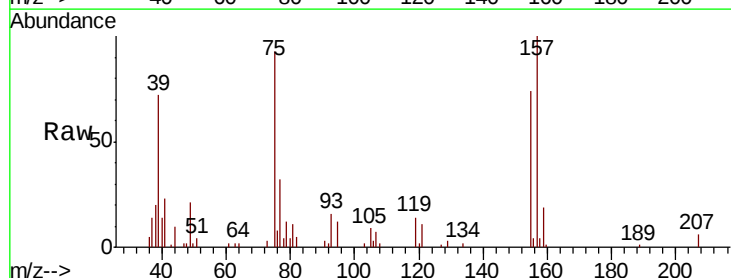
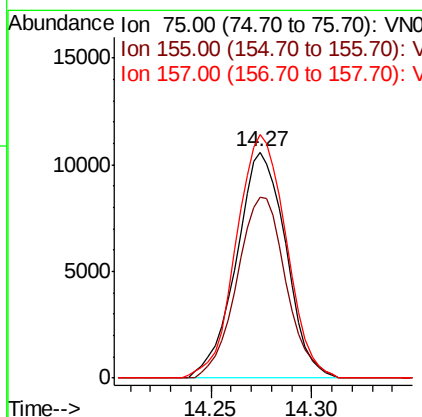
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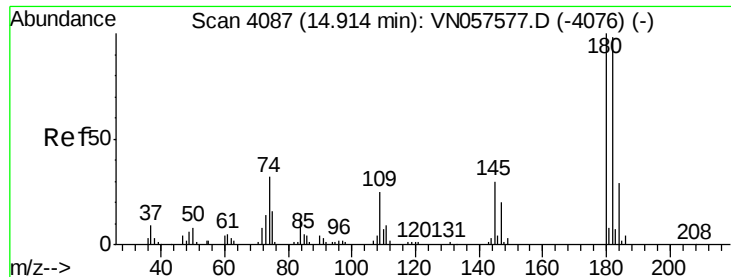
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 8/31/2019 10:00:49 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.924 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057584.D
 Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.3	66.5	99.7
157	108.7	88.4	132.6





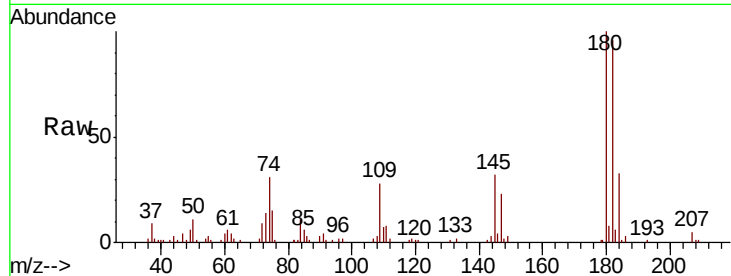
#89
1,2,4-Trichlorobenzene
Concen: 13.381 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.6	115.0
145	30.5	24.4	36.6

Manual Integrations
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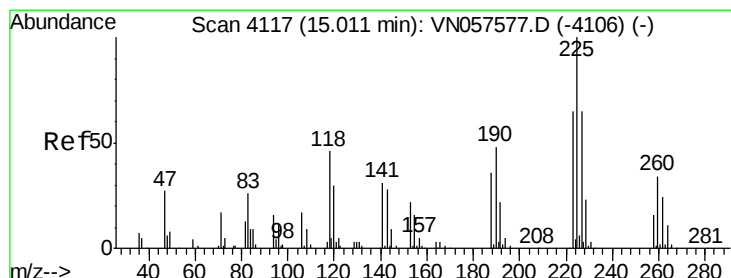
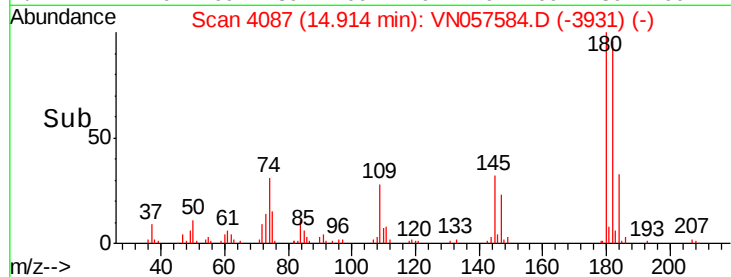
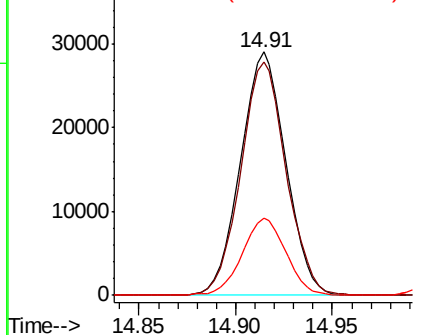


Abundance

Ion 180.00 (179.70 to 180.70): V

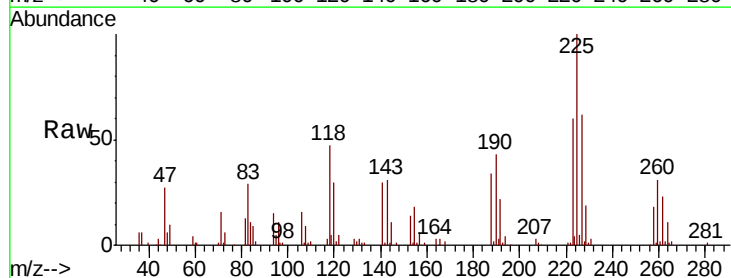
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 19.037 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	0.0	130.6
227	63.1	0.0	131.0

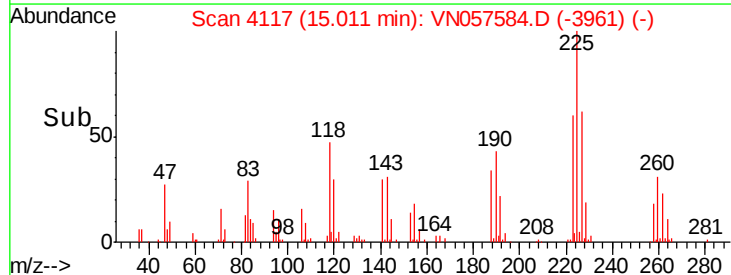
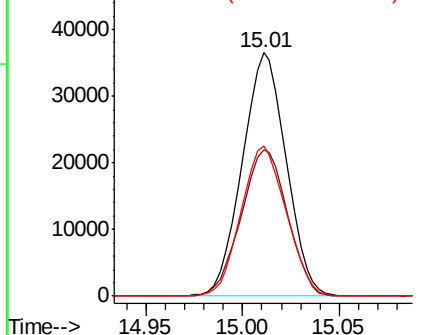


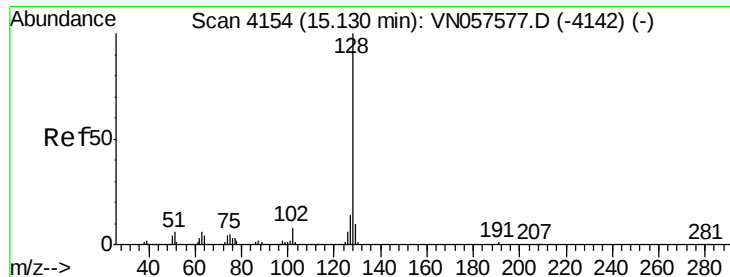
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





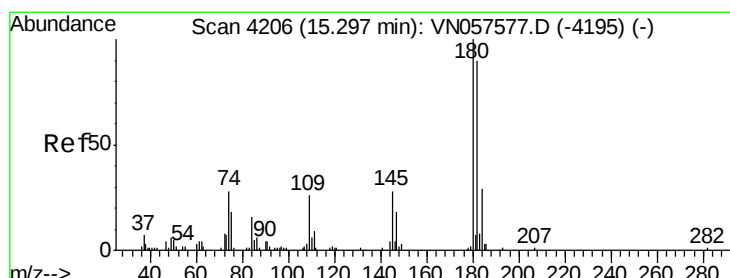
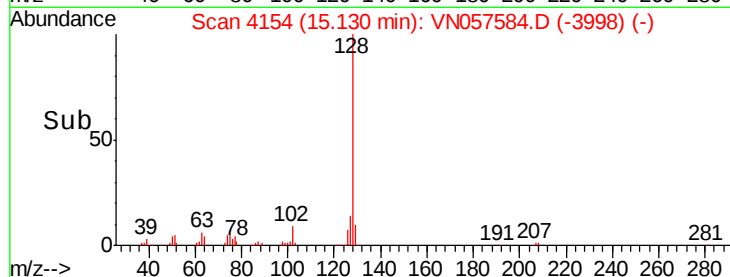
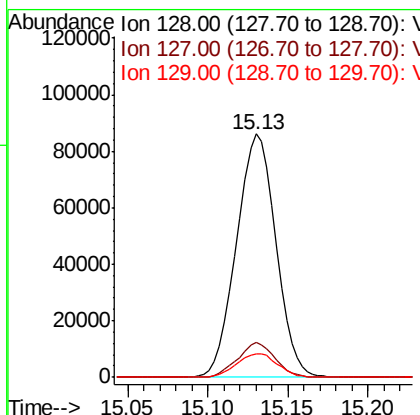
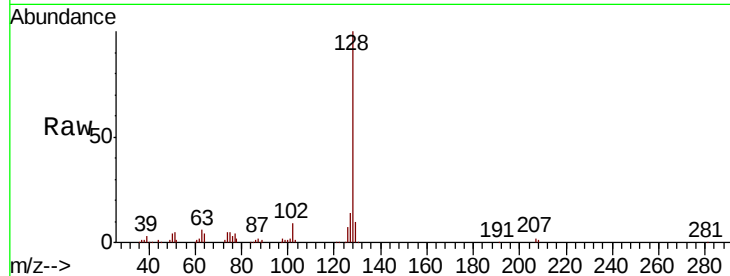
#91
Naphthalene
Concen: 14.729 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	144659		
127	13.4	10.6	16.0	
129	10.1	8.1	12.1	

Manual Integrations
APPROVED

MMDadoda
8/31/2019 10:00:49 AM



#92
1,2,3-Trichlorobenzene
Concen: 13.865 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057584.D
Acq: 30 Aug 2019 13:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	48471		
182	92.4	0.0	181.0	
145	30.0	0.0	62.2	

