

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081419\
 Data File : VN057281.D
 Acq On : 14 Aug 2019 12:31
 Operator : JC/SP
 Sample : VN0814WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:51 AM

Quant Time: Aug 23 06:42:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 22 09:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	911701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1356511	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1216158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	428330	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	454247	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
35) Dibromofluoromethane	7.58	113	403684	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
50) Toluene-d8	10.09	98	1497312	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.40	95	476941	44.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	153434	19.964	ug/l	96
3) Chloromethane	2.05	50	178009	20.430	ug/l	100
4) Vinyl Chloride	2.18	62	168812	19.946	ug/l	98
5) Bromomethane	2.55	94	127602	20.966	ug/l	99
6) Chloroethane	2.70	64	113918	20.470	ug/l	99
7) Trichlorofluoromethane	3.02	101	265093	19.907	ug/l	99
8) Diethyl Ether	3.40	74	99842	20.691	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	156081	19.520	ug/l	99
10) Methyl Iodide	3.95	142	246124	19.814	ug/l	98
11) Tert butyl alcohol	4.76	59	133246	107.583	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	158874	20.026	ug/l	99
13) Acrolein	3.60	56	93347	105.345	ug/l	99
14) Allyl chloride	4.32	41	246815	20.508	ug/l	98
15) Acrylonitrile	4.97	53	375068	107.490	ug/l	99
16) Acetone	3.80	43	312072	98.973	ug/l	99
17) Carbon Disulfide	4.05	76	418012	19.276	ug/l	97
18) Methyl Acetate	4.31	43	191575	22.938	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	488502	20.621	ug/l	99
20) Methylene Chloride	4.54	84	181541	19.710	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	168398	19.912	ug/l	97
22) Diisopropyl ether	5.94	45	503063	21.260	ug/l	97
23) Vinyl Acetate	5.88	43	2027412	108.123	ug/l	98
24) 1,1-Dichloroethane	5.84	63	298726	20.038	ug/l	99
25) 2-Butanone	6.82	43	473864	105.704	ug/l	99
26) 2,2-Dichloropropane	6.81	77	240593	19.670	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	195579	20.054	ug/l	98
28) Bromochloromethane	7.19	49	137851	20.955	ug/l	94
29) Tetrahydrofuran	7.20	42	314380	109.700	ug/l	98
30) Chloroform	7.36	83	311170	19.981	ug/l	99
31) Cyclohexane	7.65	56	267879	20.560	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	267929	20.340	ug/l	98
36) 1,1-Dichloropropene	7.79	75	229369	19.340	ug/l	99
37) Ethyl Acetate	6.91	43	194807	20.436	ug/l	99
38) Carbon Tetrachloride	7.77	117	237211	18.829	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	267398	19.043	ug/l	98
40) Benzene	8.03	78	711836	19.757	ug/l	98
41) Methacrylonitrile	7.16	41	90885m	22.764	ug/l	
42) 1,2-Dichloroethane	8.12	62	237362	20.559	ug/l	99
43) Isopropyl Acetate	8.16	43	358565	22.840	ug/l	95
44) Trichloroethene	8.83	130	199016	19.055	ug/l	96
45) 1,2-Dichloropropane	9.11	63	185784	20.354	ug/l	99
46) Dibromomethane	9.20	93	119738	19.456	ug/l	99
47) Bromodichloromethane	9.40	83	241895	20.387	ug/l	99
48) Methyl methacrylate	9.19	41	156268	21.512	ug/l	99
49) 1,4-Dioxane	9.19	88	68750	419.975	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	975587	105.829	ug/l	98
52) Toluene	10.15	92	446240	19.936	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	260321	20.511	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	287423	20.094	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	177283	20.263	ug/l	97
56) Ethyl methacrylate	10.43	69	248860	20.274	ug/l	97
57) 1,3-Dichloropropane	10.70	76	289937	20.086	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	303994	98.289	ug/l	99
59) 2-Hexanone	10.75	43	690103	105.509	ug/l	98
60) Dibromochloromethane	10.90	129	193789	19.751	ug/l	100
61) 1,2-Dibromoethane	11.00	107	183269	20.177	ug/l	99
64) Tetrachloroethene	10.63	164	201667	18.774	ug/l	98
65) Chlorobenzene	11.43	112	474679	19.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	184252	19.173	ug/l	100
67) Ethyl Benzene	11.51	91	829920	19.535	ug/l	100
68) m/p-Xylenes	11.62	106	618632	39.027	ug/l	98
69) o-Xylene	11.95	106	303637	19.564	ug/l	100
70) Styrene	11.96	104	467930	19.473	ug/l	98
71) Bromoform	12.12	173	142378	19.335	ug/l #	100
73) Isopropylbenzene	12.25	105	809499	22.923	ug/l	98
74) N-amyl acetate	12.07	43	242262	23.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	236410	24.303	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	190653m	23.607	ug/l	
77) Bromobenzene	12.53	156	209657	22.232	ug/l	99
78) n-propylbenzene	12.59	91	790550	21.327	ug/l	99
79) 2-Chlorotoluene	12.67	91	513463	22.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	652869	22.086	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	68749	21.559	ug/l	93
82) 4-Chlorotoluene	12.77	91	466743	19.980	ug/l	98
83) tert-Butylbenzene	12.99	119	587367	22.094	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	606222	20.098	ug/l	99
85) sec-Butylbenzene	13.17	105	690738	21.044	ug/l	99
86) p-Isopropyltoluene	13.29	119	594950	18.889	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	286732	19.324	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	265983	18.429	ug/l	98
89) n-Butylbenzene	13.62	91	441960	20.005	ug/l	99
90) Hexachloroethane	13.88	117	120947	22.074	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	280841	19.412	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29083	20.327	ug/l	96

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ClientSampleId :
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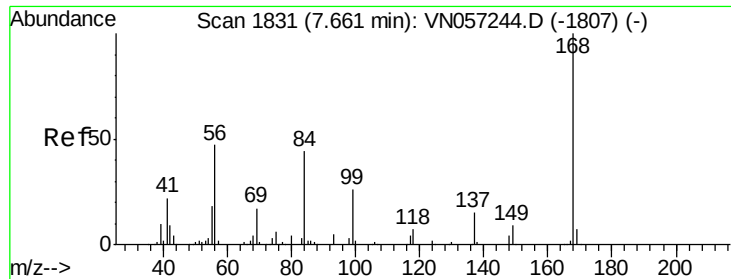
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69625	14.793	ug/l	98
94) Hexachlorobutadiene	15.01	225	122937	19.862	ug/l	98
95) Naphthalene	15.13	128	132936	18.015	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	68526	16.620	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion:168 Resp: 911701

Ion Ratio Lower Upper

168 100

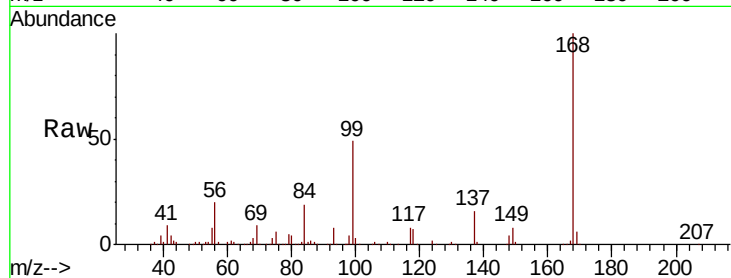
99 48.9 38.6 58.0

Manual Integrations

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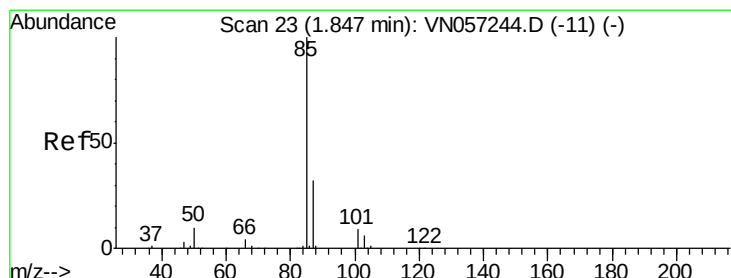
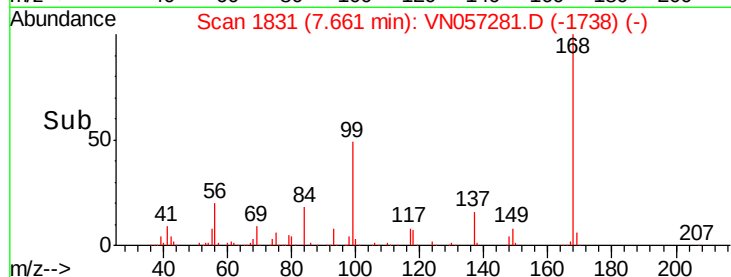
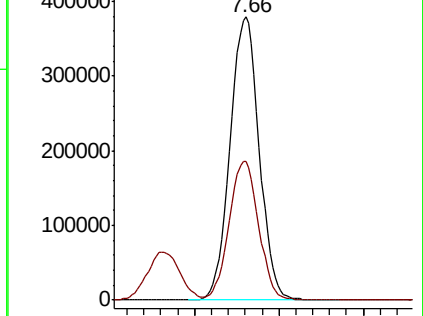
MMdadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.964 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057281.D

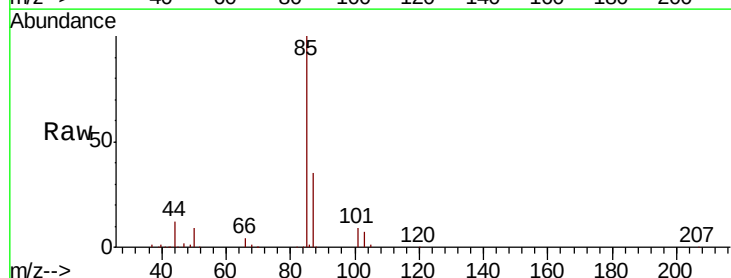
Acq: 14 Aug 2019 12:31

Tgt Ion: 85 Resp: 153434

Ion Ratio Lower Upper

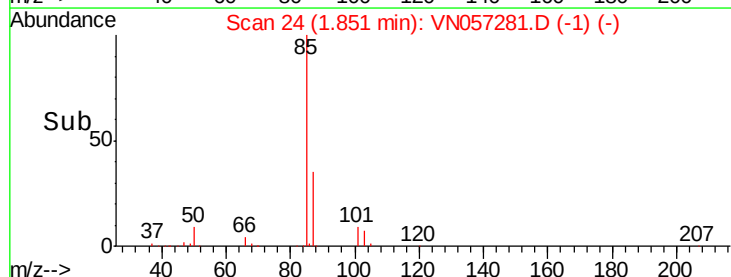
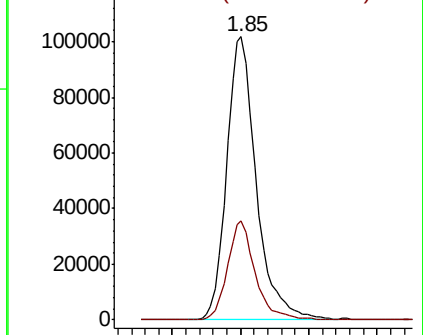
85 100

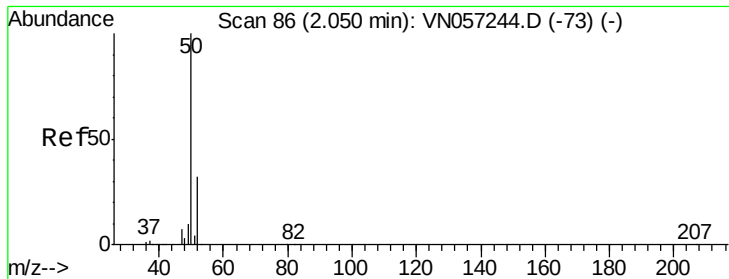
87 34.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.430 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 50 Resp: 178009

Ion Ratio Lower Upper

50 100

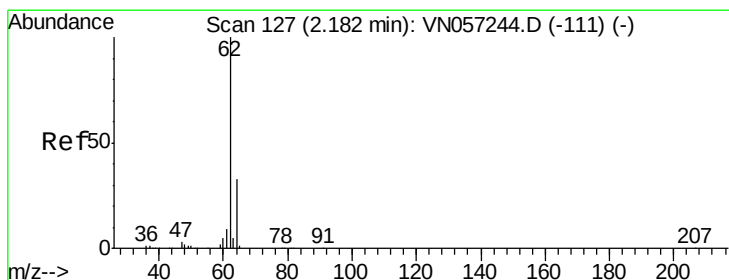
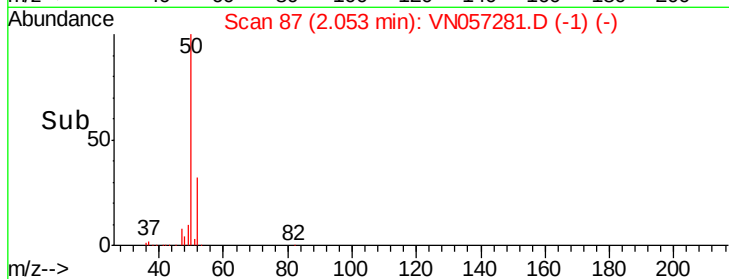
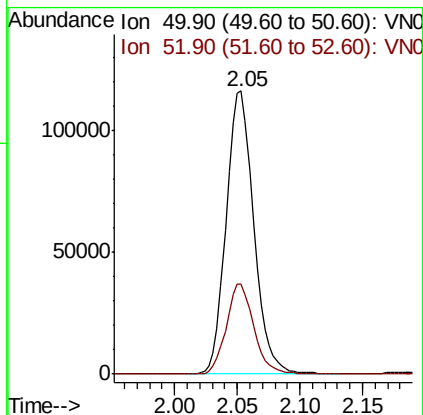
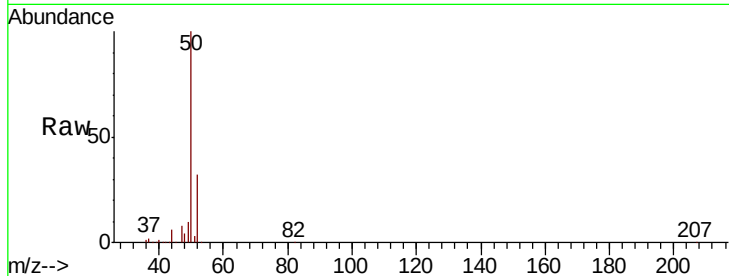
52 31.9 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.946 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057281.D

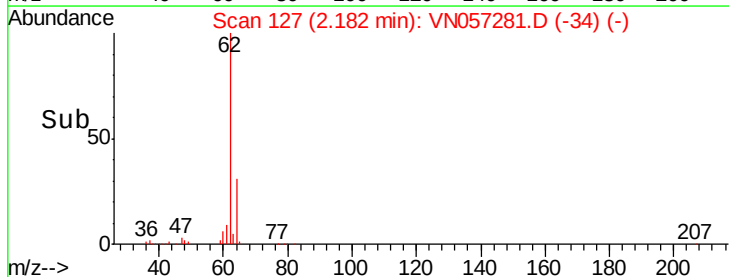
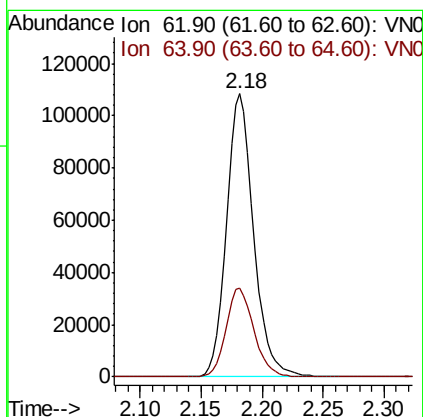
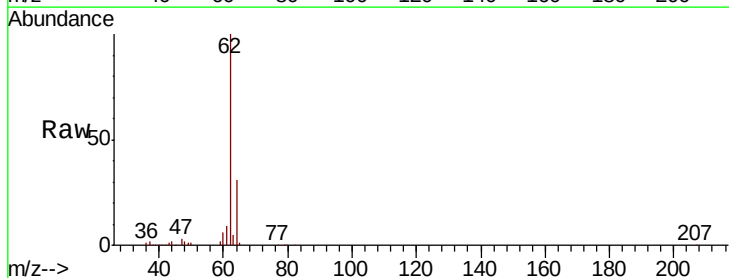
Acq: 14 Aug 2019 12:31

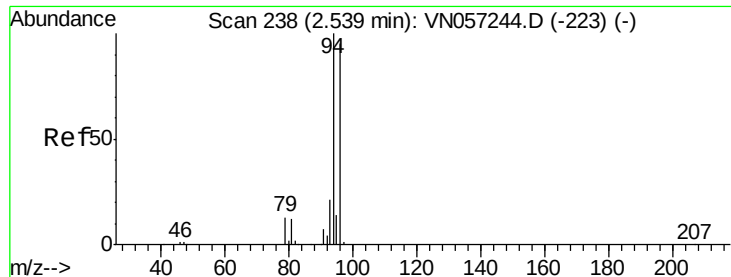
Tgt Ion: 62 Resp: 168812

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2





#5

Bromomethane

Concen: 20.966 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 94 Resp: 127602

Ion Ratio Lower Upper

94 100

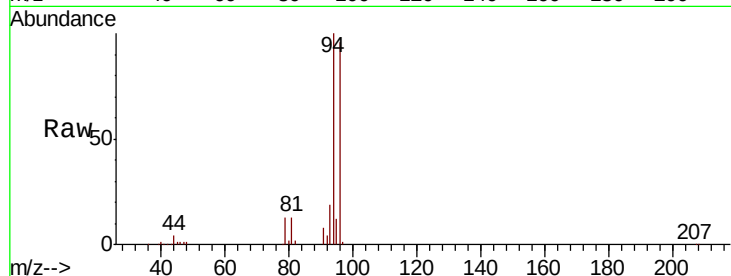
96 95.9 75.7 113.5

Manual Integrations

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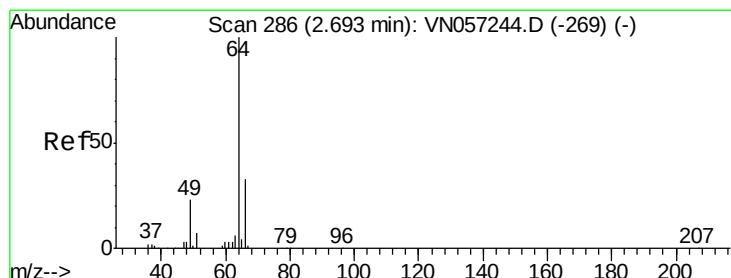
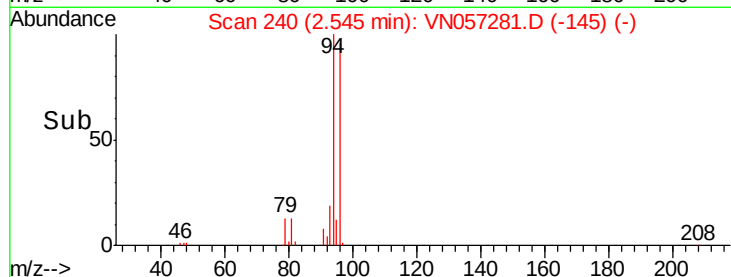
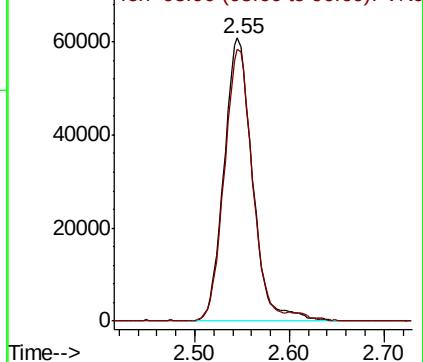
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.470 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.00 min

Lab File: VN057281.D

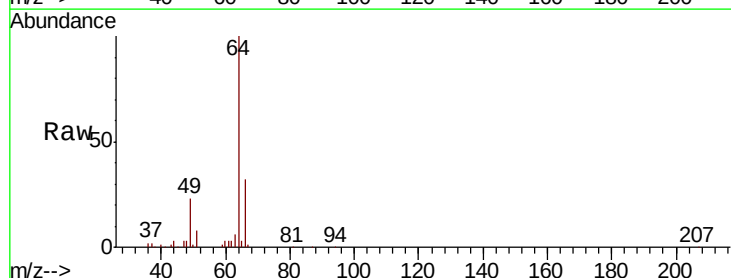
Acq: 14 Aug 2019 12:31

Tgt Ion: 64 Resp: 113918

Ion Ratio Lower Upper

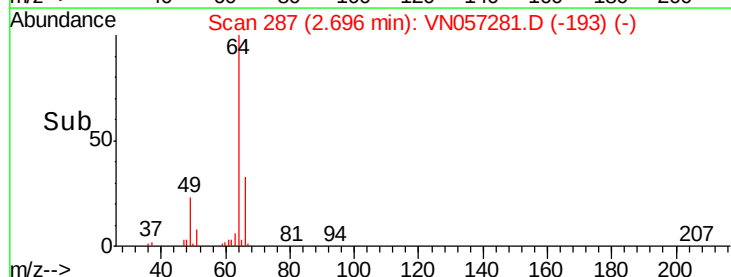
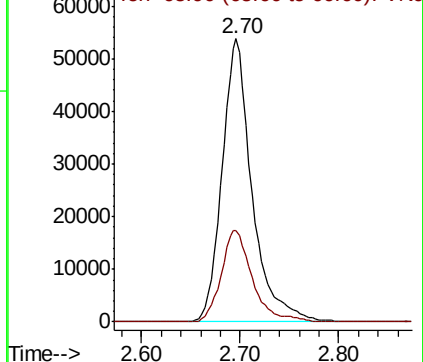
64 100

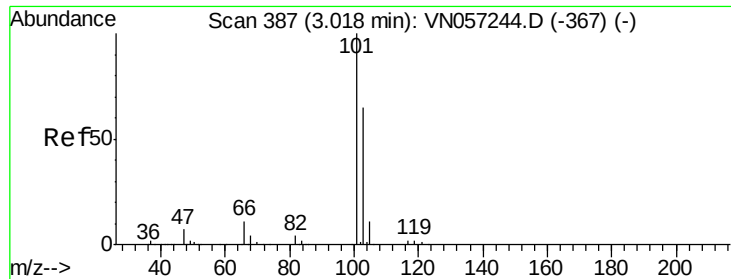
66 32.4 26.3 39.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

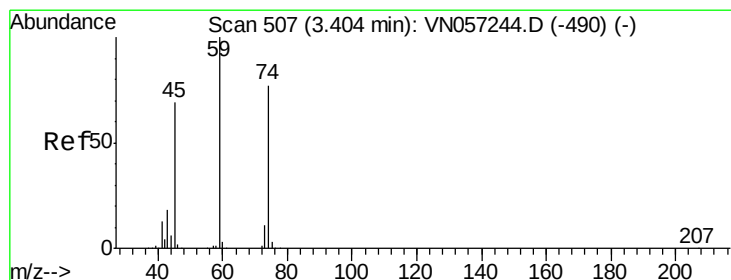
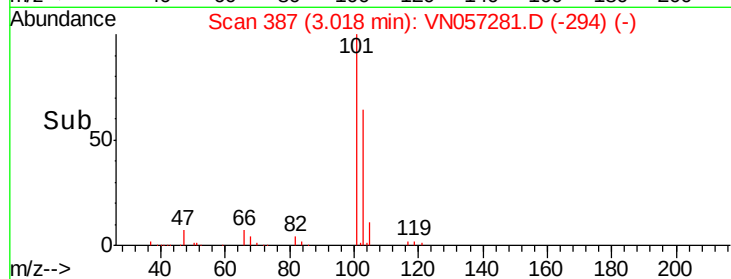
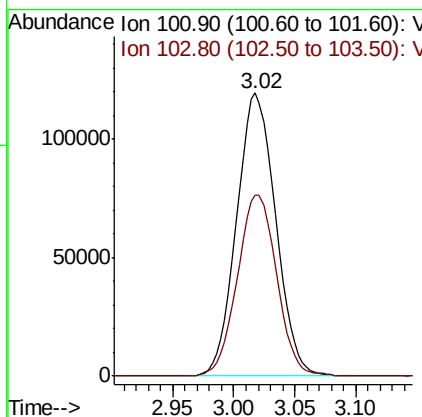
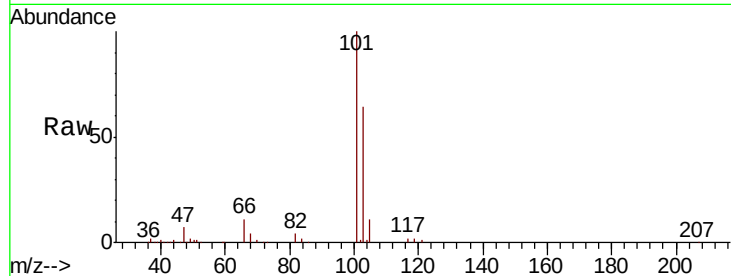
Trichlorofluoromethane
 Concen: 19.907 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	265093		
103	64.1	51.8	77.6	

Manual Integrations
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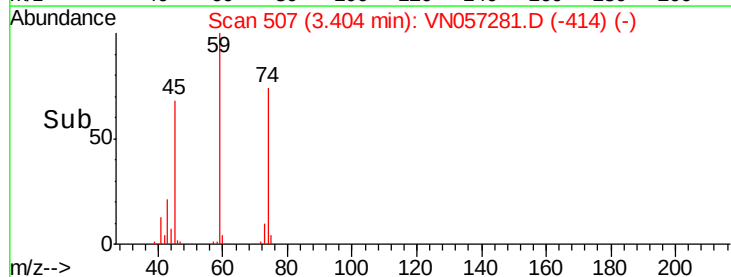
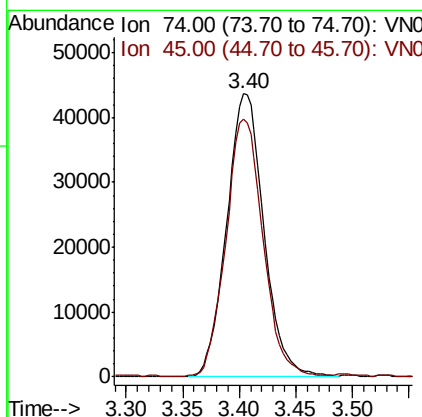
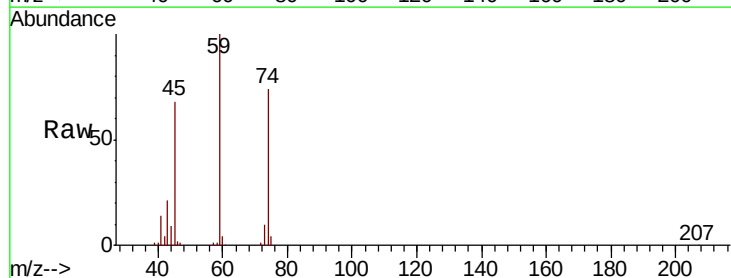
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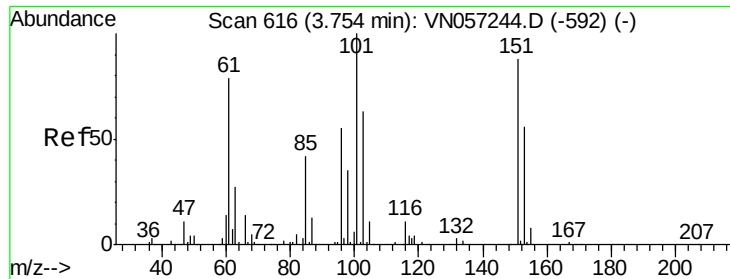


#8

Diethyl Ether
 Concen: 20.691 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	99842		
45	91.1	45.1	135.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.520 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

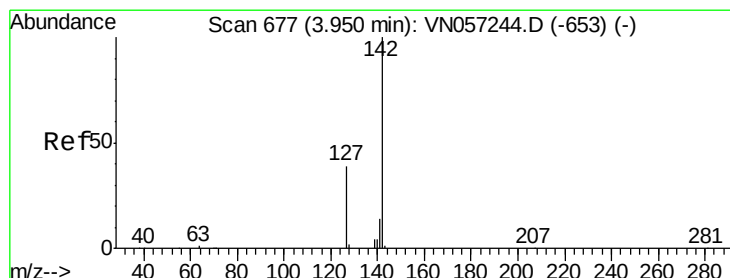
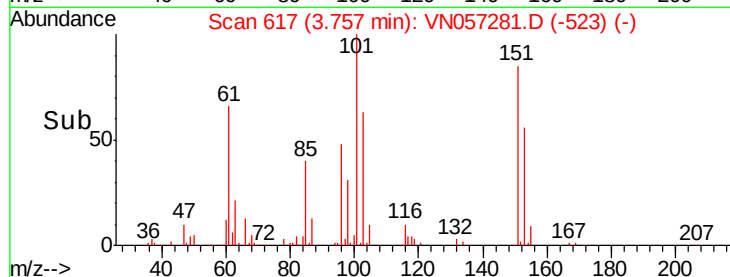
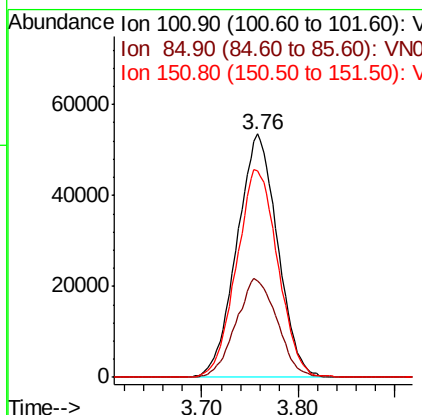
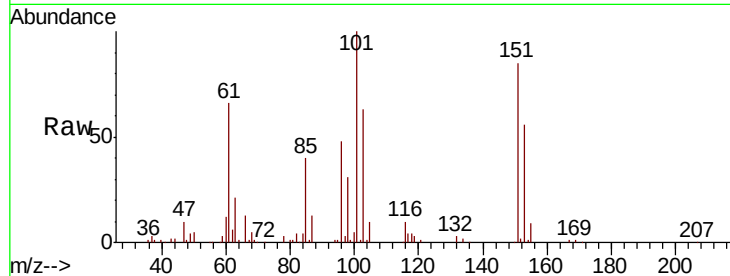
ClientSampleId :

VN0814WBSD01

Tgt	Ion:101	Resp:	156081
Ion	Ratio	Lower	Upper
101	100		
85	41.0	32.7	49.1
151	86.8	70.1	105.1

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#10

Methyl Iodide

Concen: 19.814 ug/l

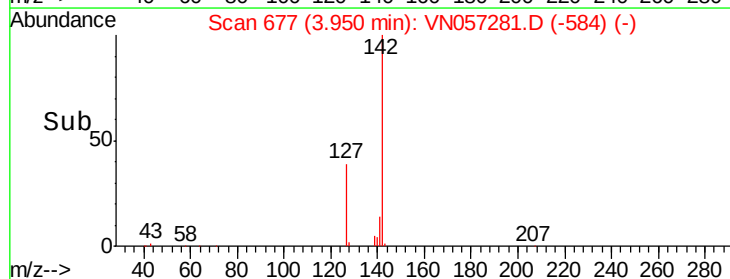
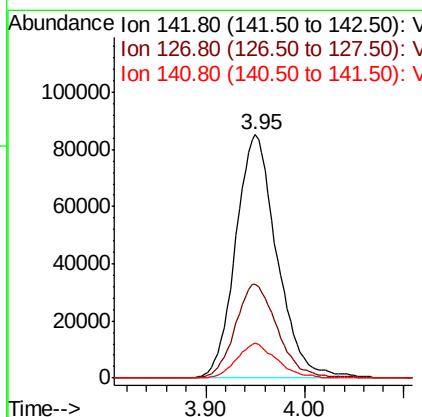
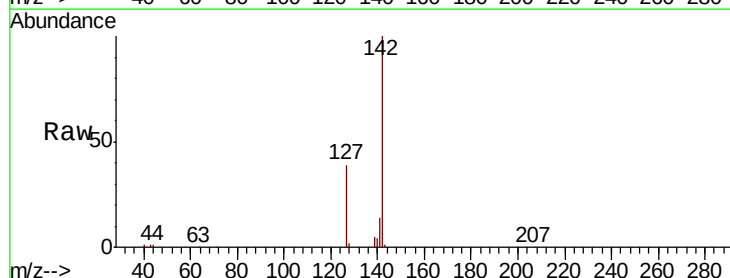
RT: 3.95 min Scan# 677

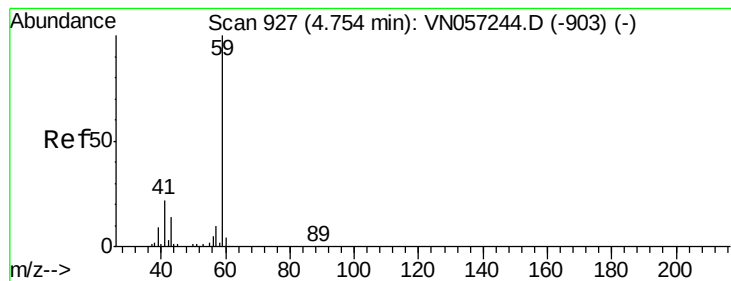
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt	Ion:142	Resp:	246124
Ion	Ratio	Lower	Upper
142	100		
127	39.6	30.7	46.1
141	14.0	11.0	16.6





#11

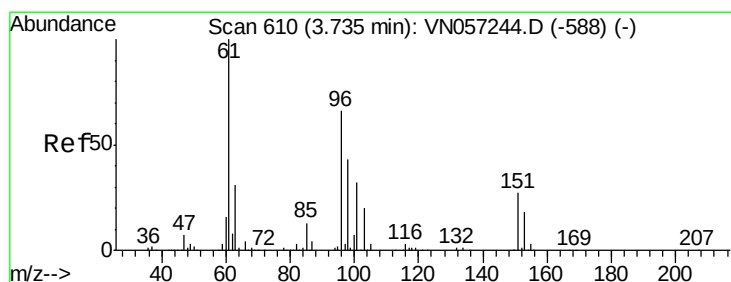
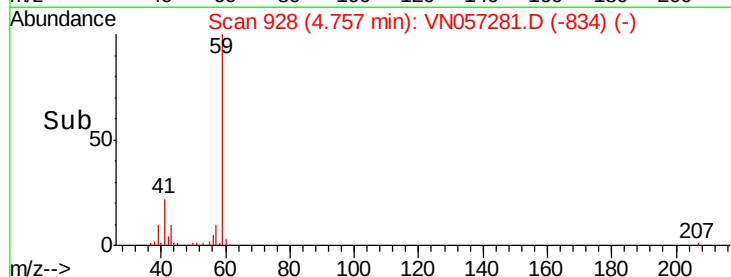
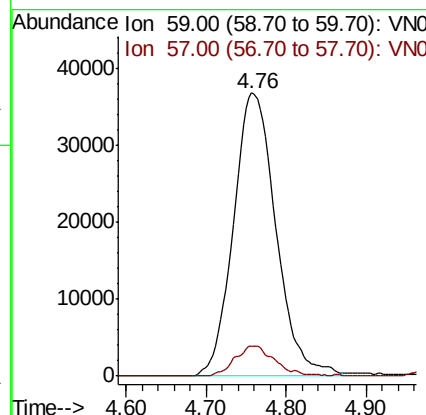
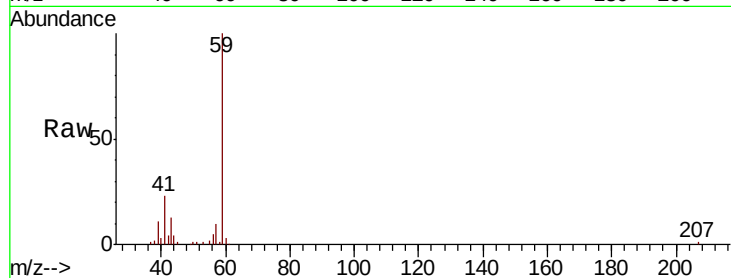
Tert butyl alcohol
 Concen: 107.583 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.4	3.4	5.2#

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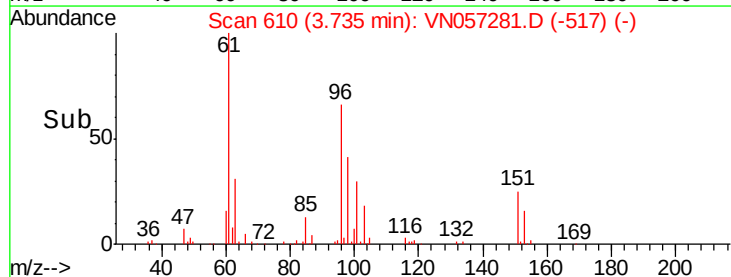
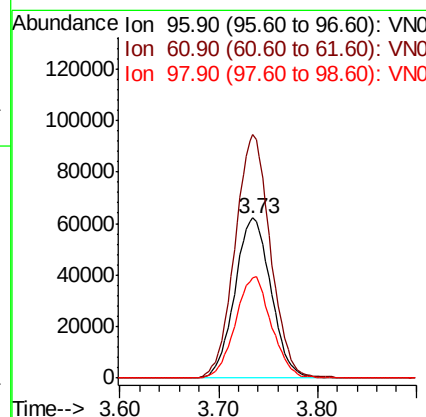
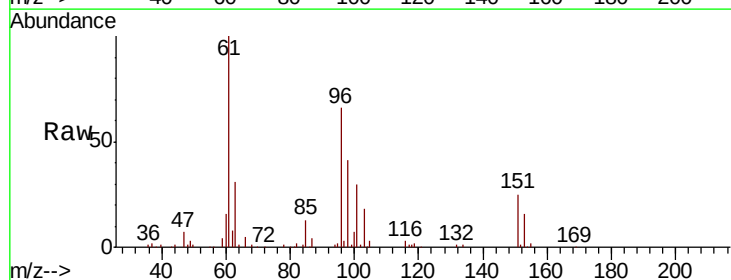
MMDadoda
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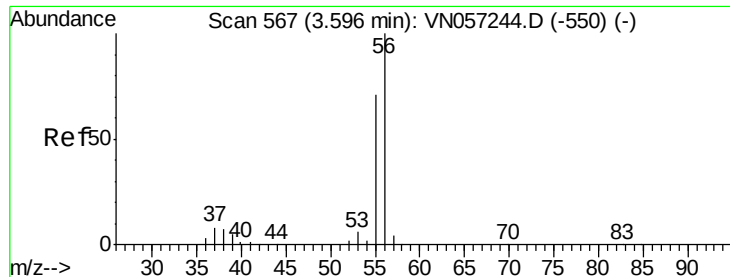


#12

1,1-Dichloroethene
 Concen: 20.026 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.1	181.7
98	62.6	52.0	78.0





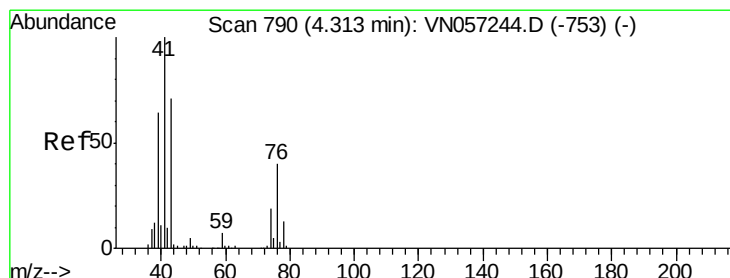
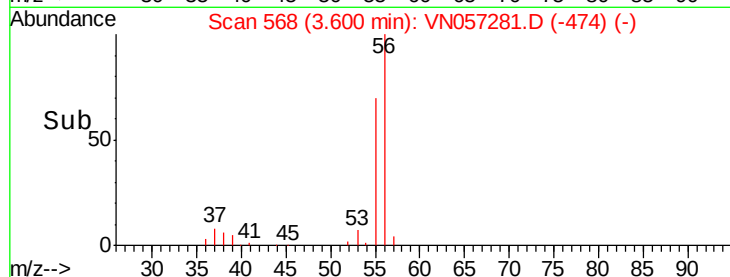
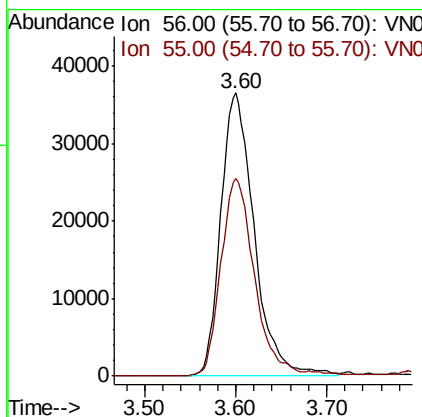
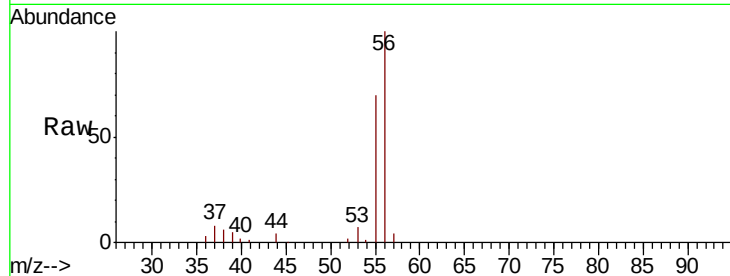
#13
Acrolein
Concen: 105.345 ug/l
RT: 3.60 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion: 56 Resp: 93347
Ion Ratio Lower Upper
56 100
55 69.7 56.6 84.8

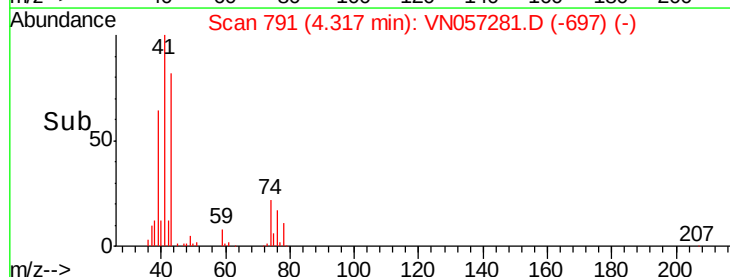
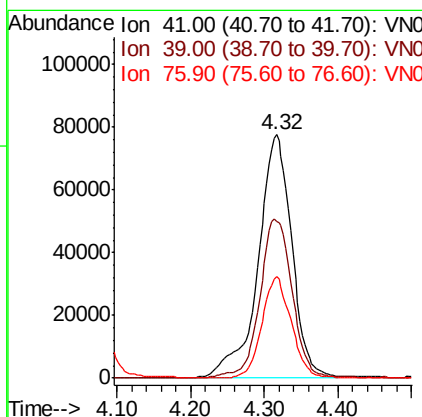
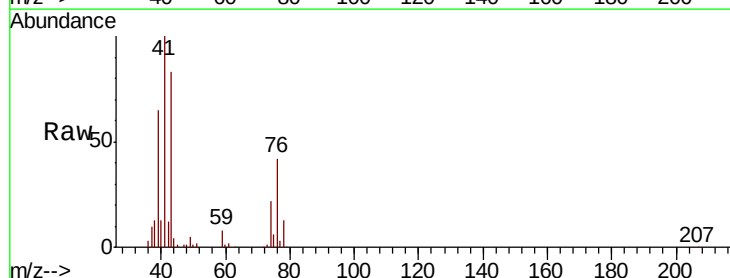
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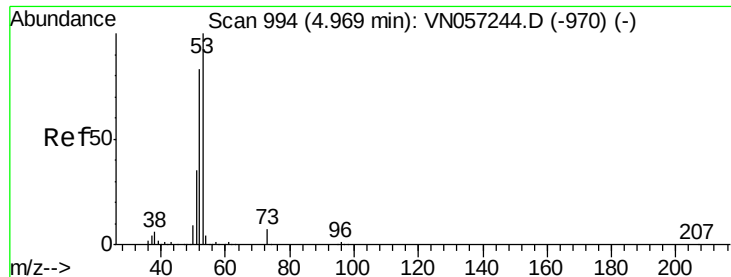
MMdadoda
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#14
Allyl chloride
Concen: 20.508 ug/l
RT: 4.32 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion: 41 Resp: 246815
Ion Ratio Lower Upper
41 100
39 61.8 48.5 72.7
76 36.2 29.8 44.8





#15

Acrylonitrile

Concen: 107.490 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

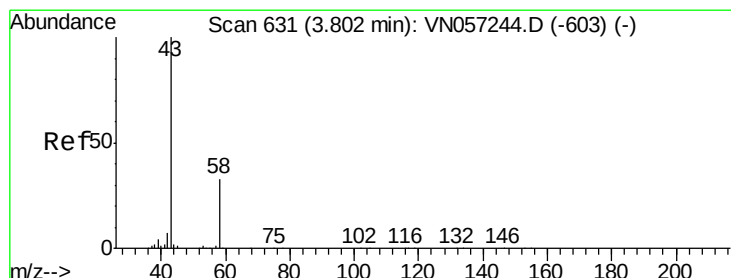
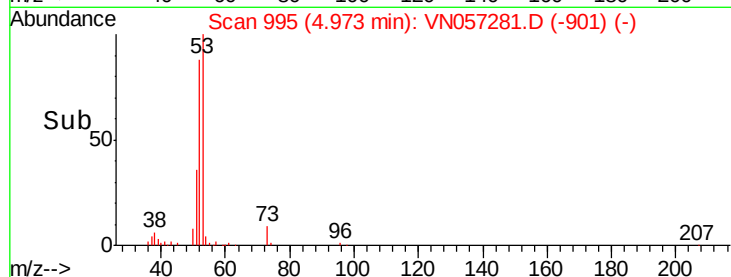
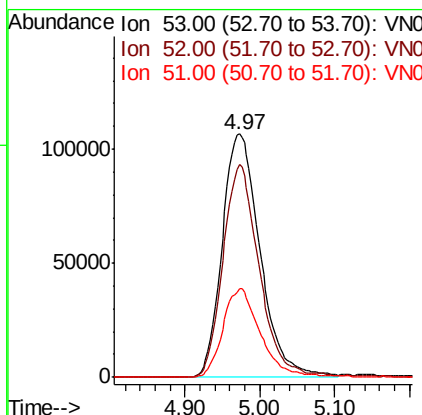
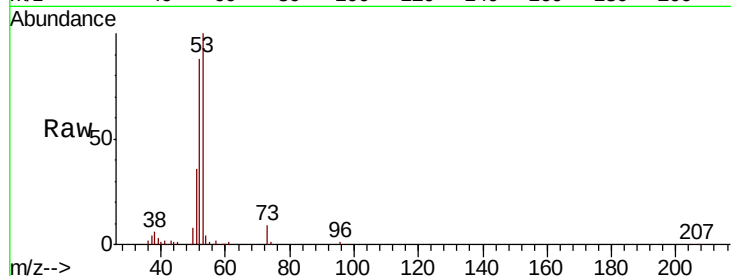
ClientSampleId :

VN0814WBSD01

Tgt Ion:	53	Resp:	375068
Ion	Ratio	Lower	Upper
53	100		
52	82.6	65.9	98.9
51	35.9	27.8	41.6

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#16

Acetone

Concen: 98.973 ug/l

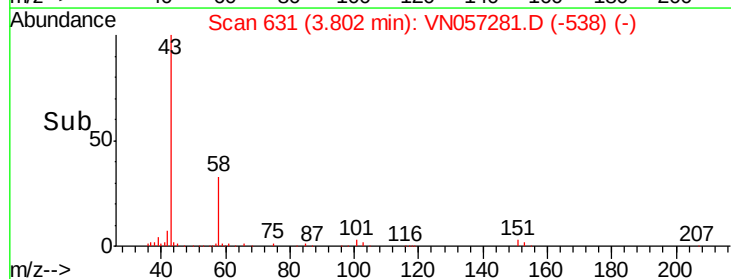
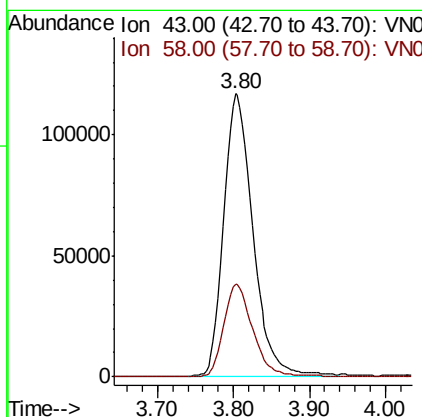
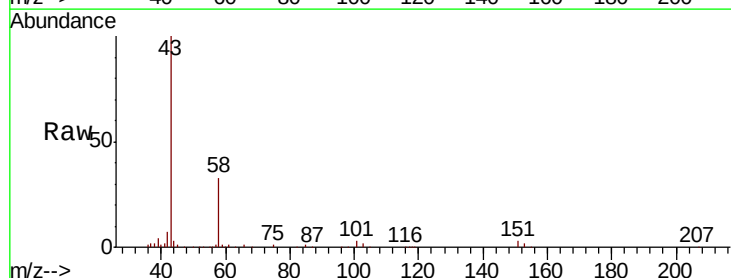
RT: 3.80 min Scan# 631

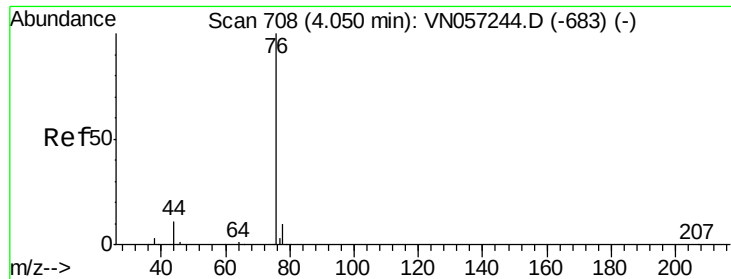
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	43	Resp:	312072
Ion	Ratio	Lower	Upper
43	100		
58	33.1	26.7	40.1





#17

Carbon Disulfide

Concen: 19.276 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 76 Resp: 418012

Ion Ratio Lower Upper

76 100

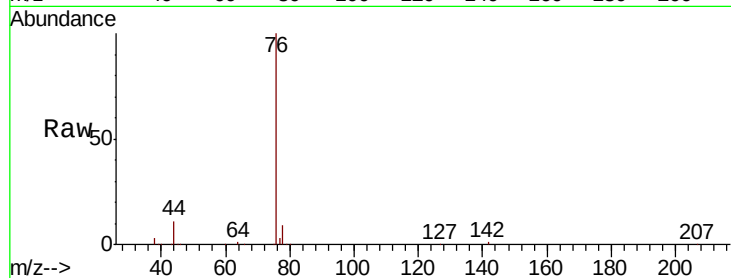
78 8.7 7.7 11.5

Manual Integrations

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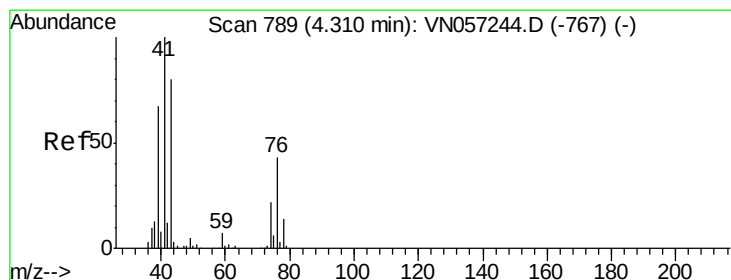
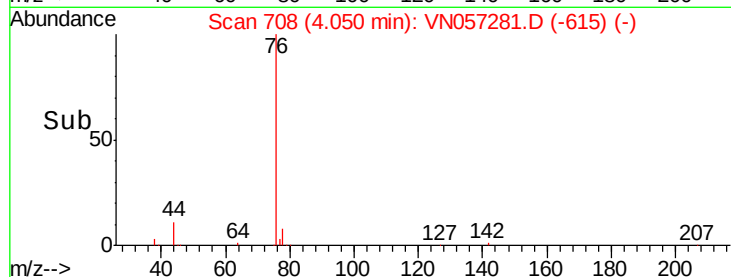
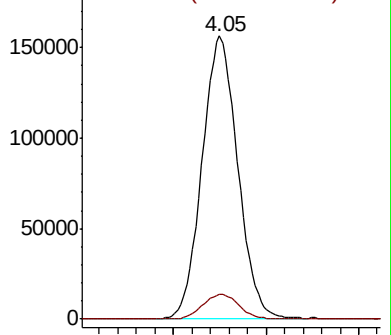
MMdadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.938 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057281.D

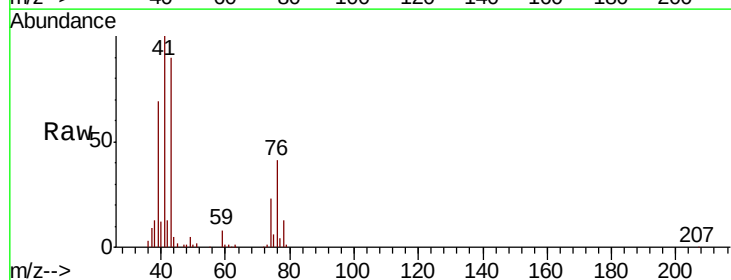
Acq: 14 Aug 2019 12:31

Tgt Ion: 43 Resp: 191575

Ion Ratio Lower Upper

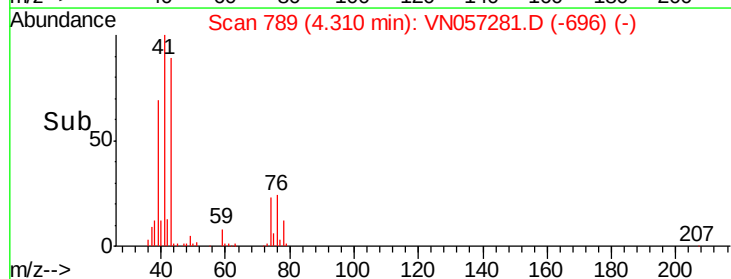
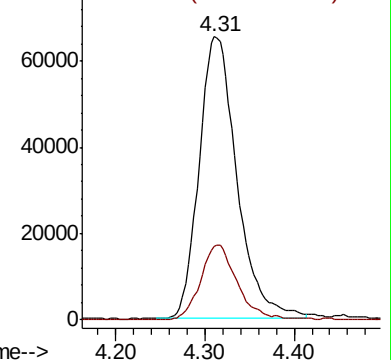
43 100

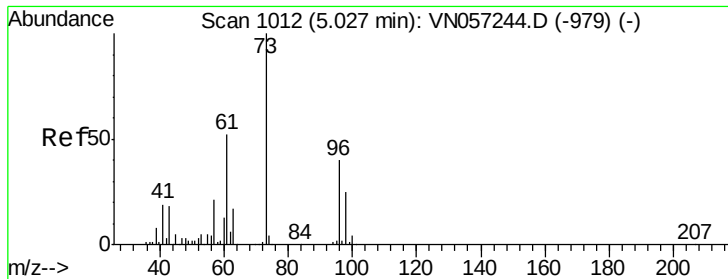
74 25.3 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





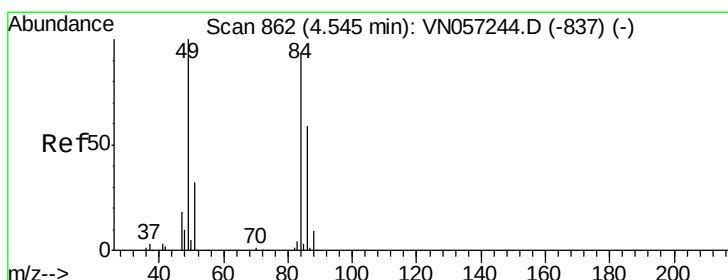
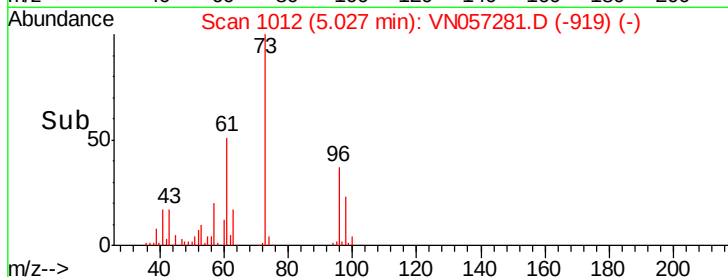
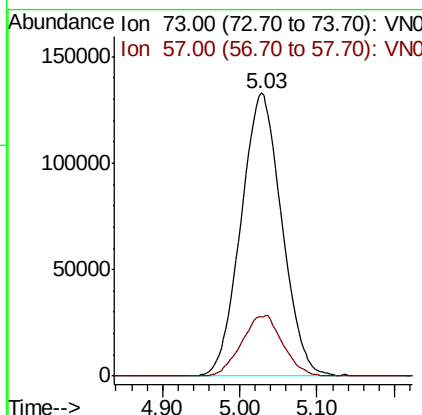
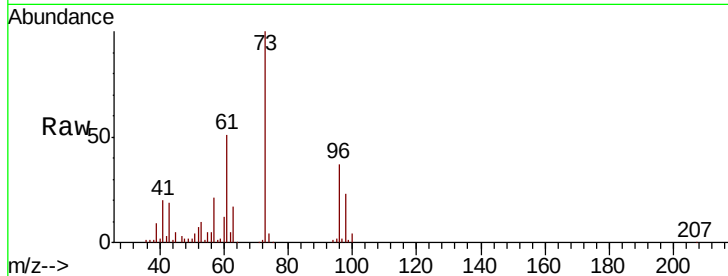
#19
Methyl tert-butyl Ether
Concen: 20.621 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion: 73 Resp: 488502
Ion Ratio Lower Upper
73 100
57 21.1 17.1 25.7

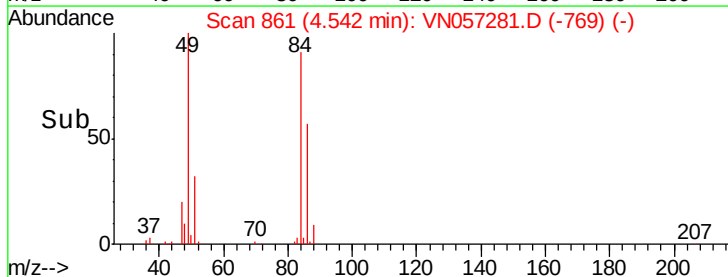
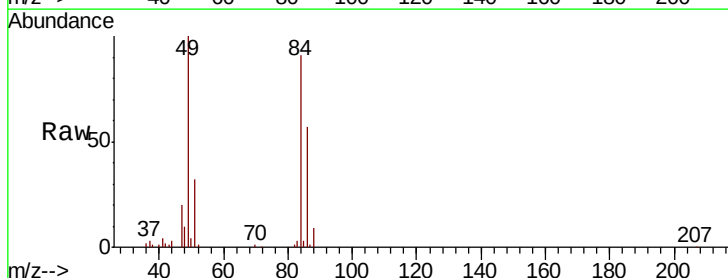
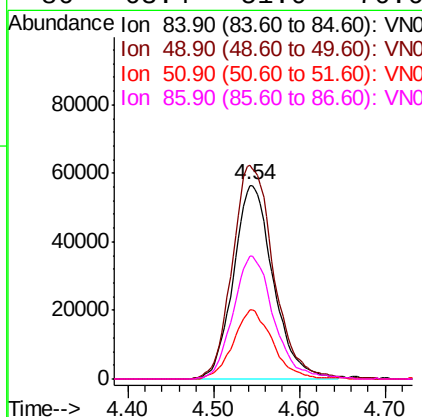
Manual Integrations
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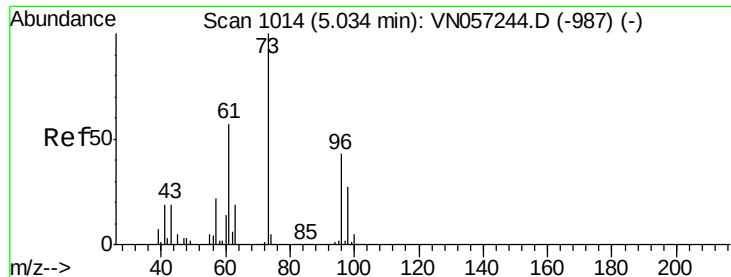
MMdadoda
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#20
Methylene Chloride
Concen: 19.710 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion: 84 Resp: 181541
Ion Ratio Lower Upper
84 100
49 110.4 85.9 128.9
51 35.6 27.1 40.7
86 63.4 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 19.912 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

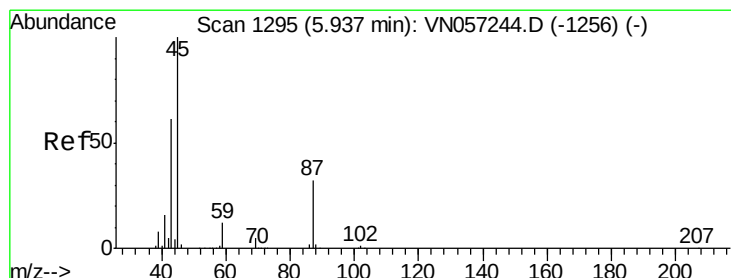
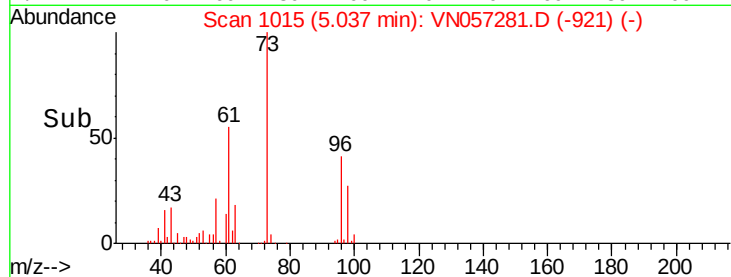
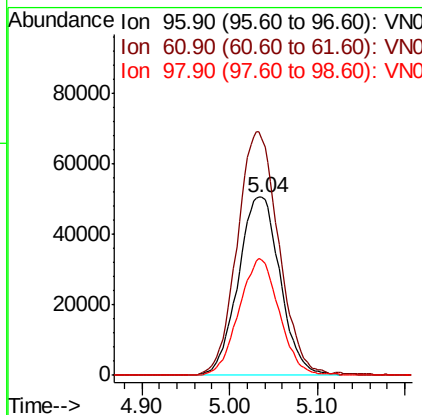
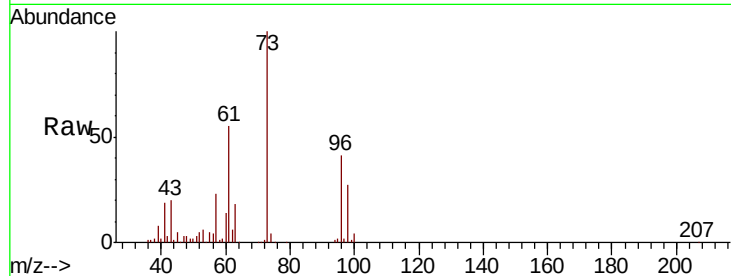
ClientSampleId :

VN0814WBSD01

Tgt Ion:	96	Resp:	168398
Ion	Ratio	Lower	Upper
96	100		
61	133.5	104.6	156.8
98	64.9	49.7	74.5

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#22

Diisopropyl ether

Concen: 21.260 ug/l

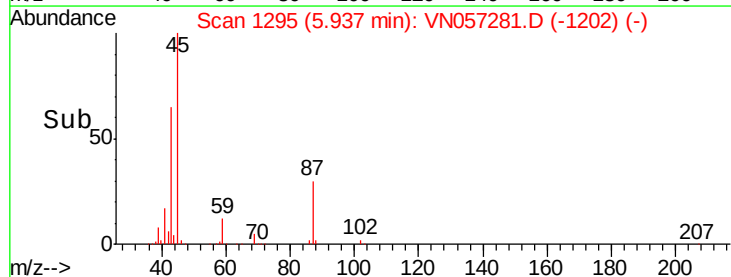
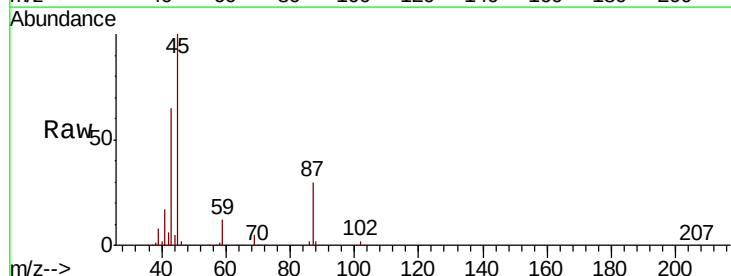
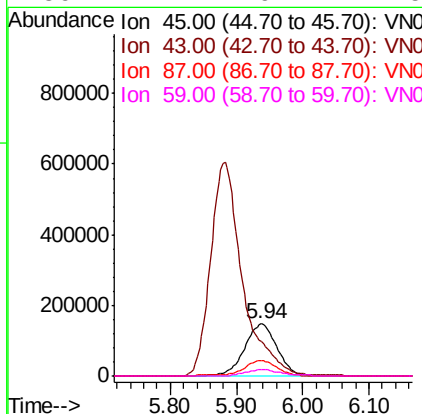
RT: 5.94 min Scan# 1295

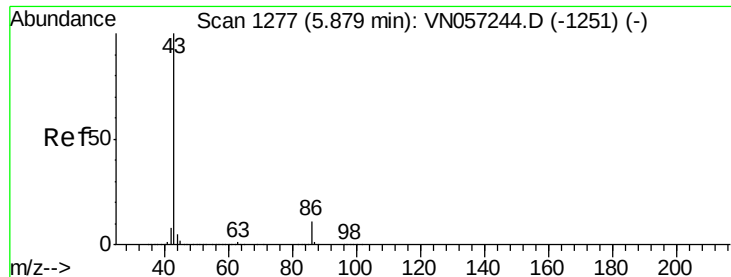
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	45	Resp:	503063
Ion	Ratio	Lower	Upper
45	100		
43	63.5	48.9	73.3
87	29.6	25.5	38.3
59	12.2	9.7	14.5





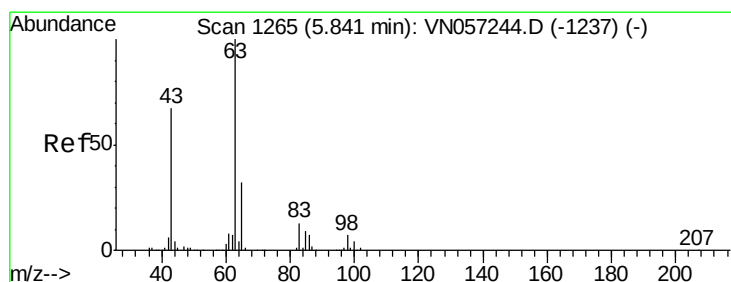
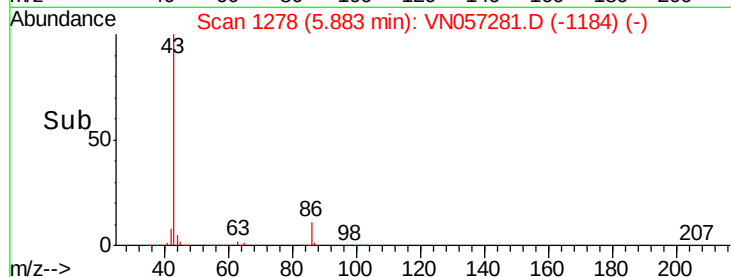
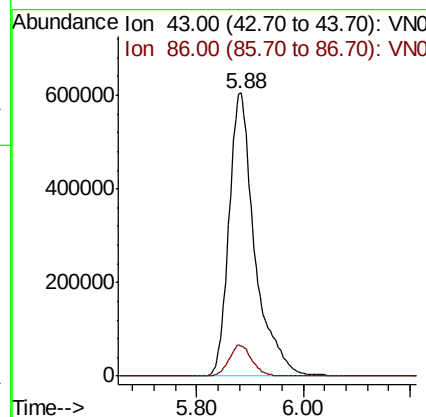
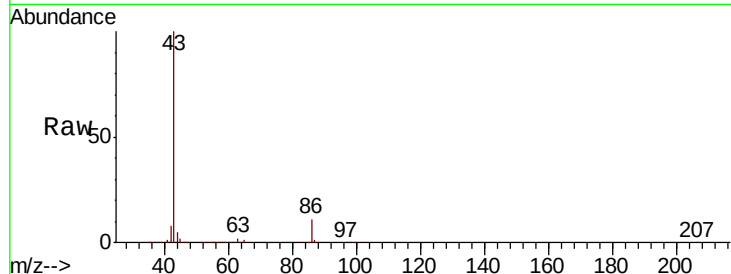
#23
 Vinyl Acetate
 Concen: 108.123 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion: 43 Resp: 2027412
 Ion Ratio Lower Upper
 43 100
 86 10.7 9.2 13.8

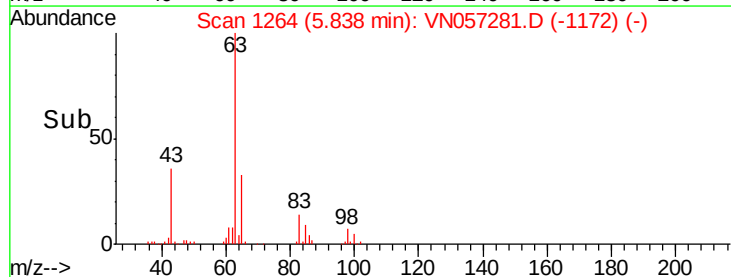
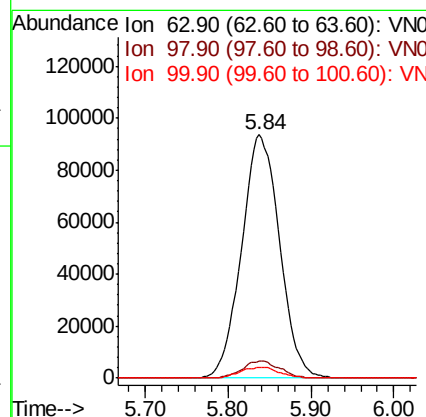
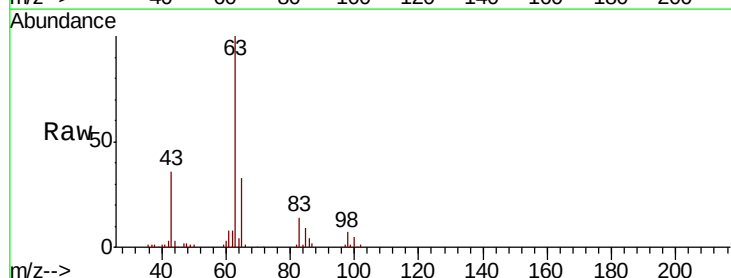
Manual Integrations
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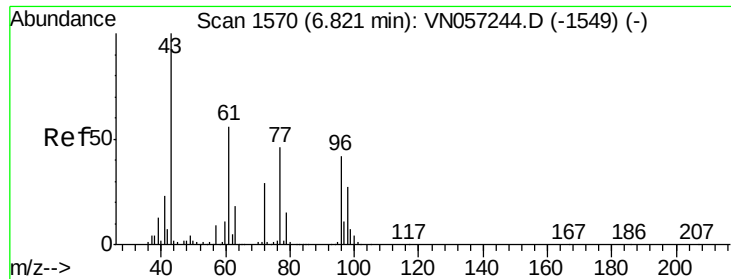
MMdadoda
 8/19/2019 1:52:51 AM



#24
 1,1-Dichloroethane
 Concen: 20.038 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion: 63 Resp: 298726
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.5 2.1 6.2





#25

2-Butanone

Concen: 105.704 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD01

Tgt Ion: 43 Resp: 473864

Ion Ratio Lower Upper

43 100

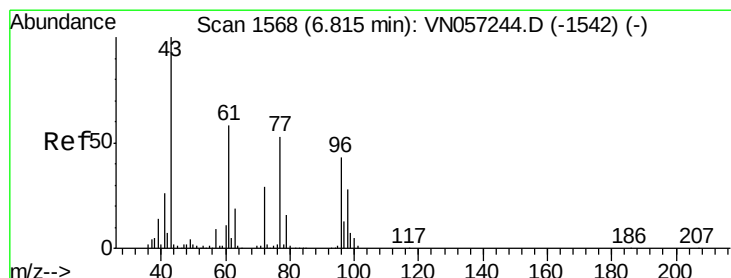
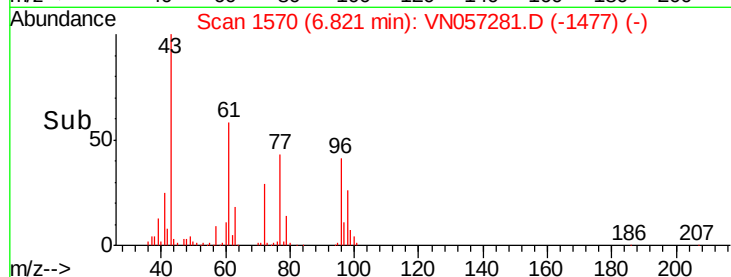
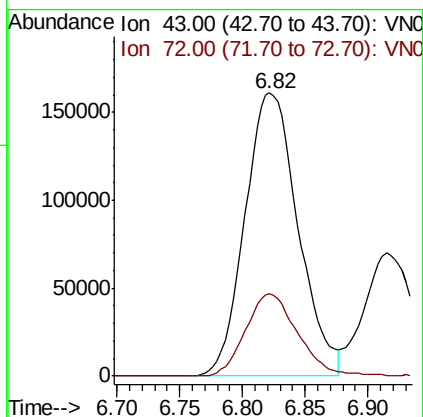
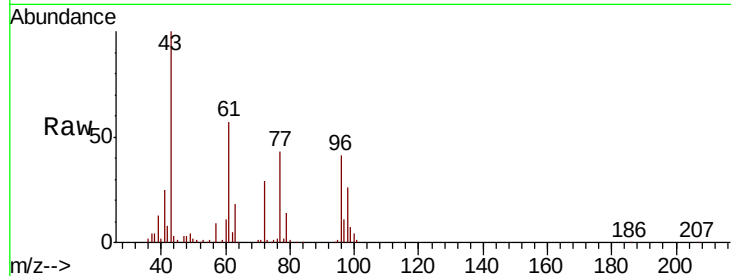
72 29.2 23.1 34.7

Manual Integrations

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MMdadoda

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#26

2,2-Dichloropropane

Concen: 19.670 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN057281.D

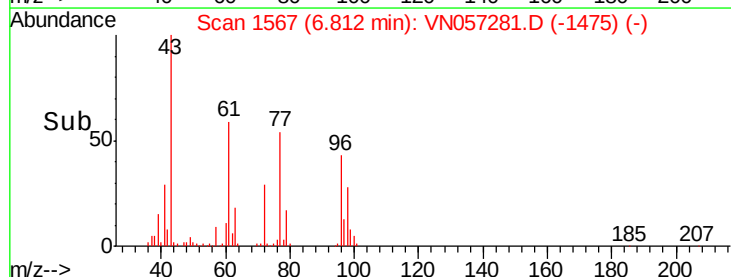
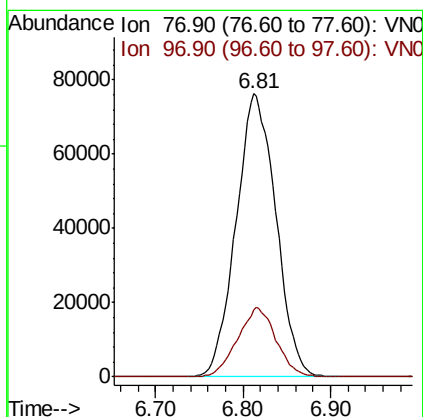
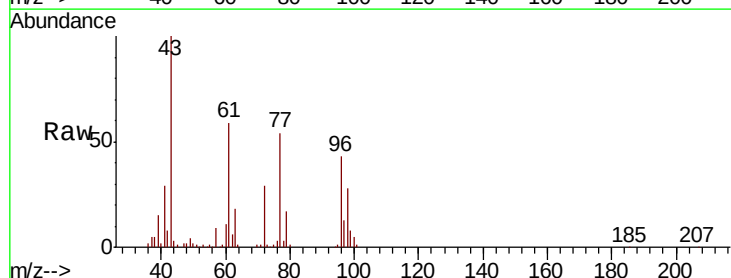
Acq: 14 Aug 2019 12:31

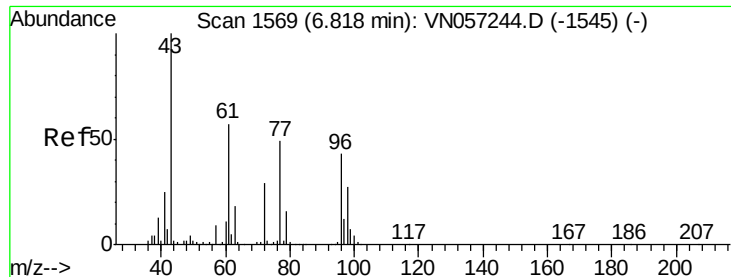
Tgt Ion: 77 Resp: 240593

Ion Ratio Lower Upper

77 100

97 23.7 12.1 36.3





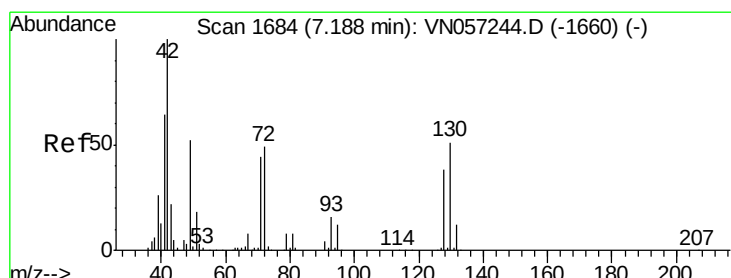
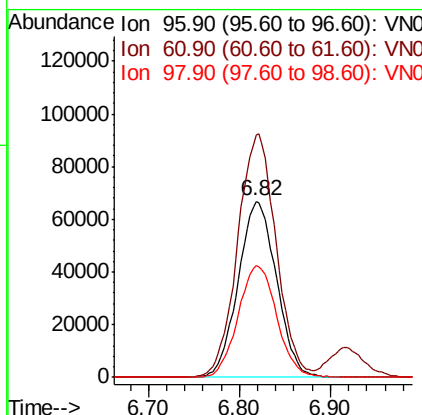
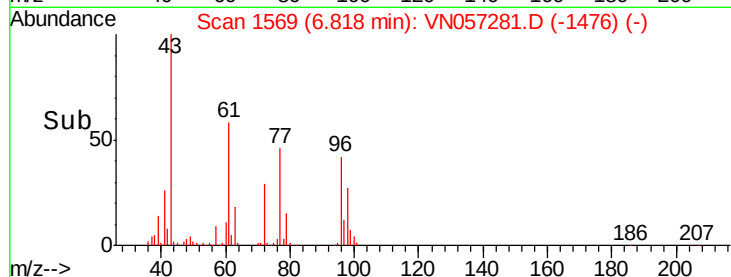
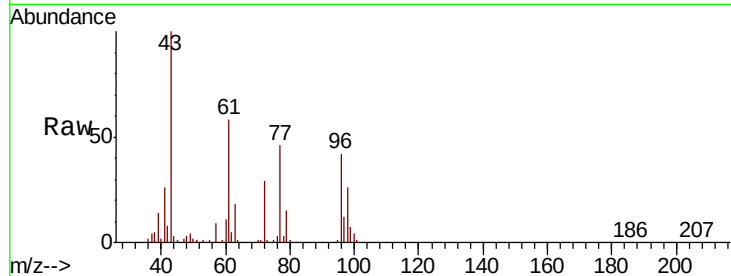
#27
 cis-1,2-Dichloroethene
 Concen: 20.054 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	195579		
61	138.5	0.0	271.0	
98	63.9	0.0	129.2	

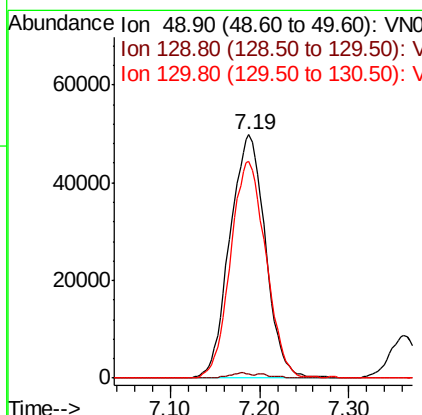
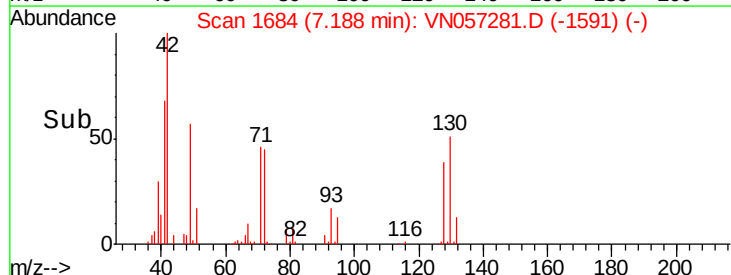
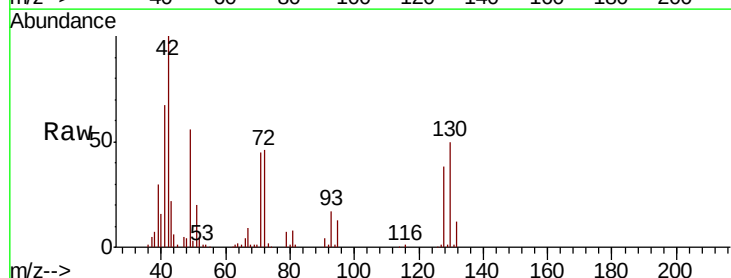
Manual Integrations
 APPROVED

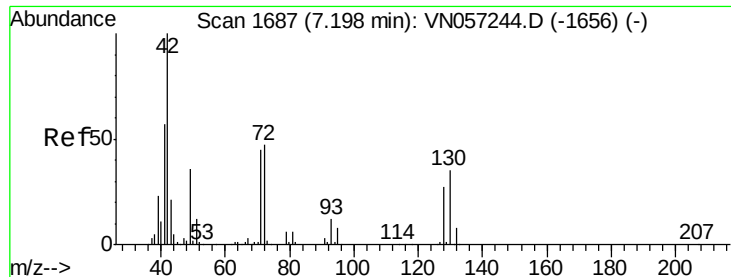
MMDadoda
 8/19/2019 1:52:51 AM



#28
 Bromochloromethane
 Concen: 20.955 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	137851		
129	1.2	0.0	3.0	
130	88.8	75.6	113.4	





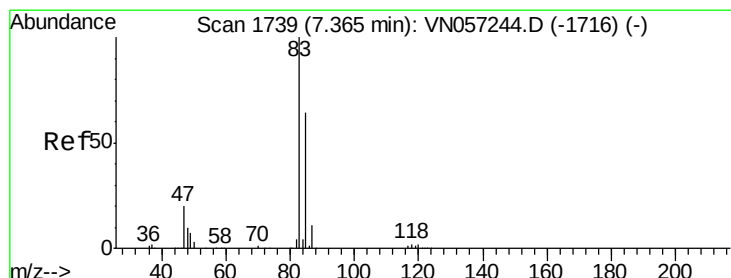
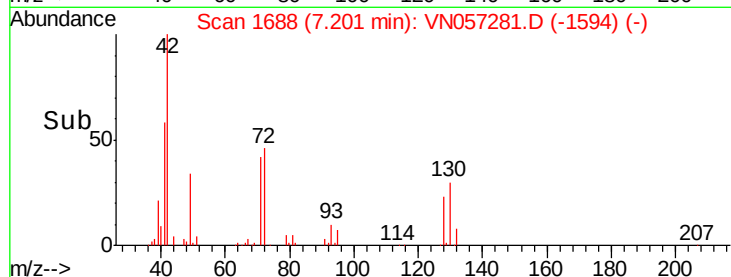
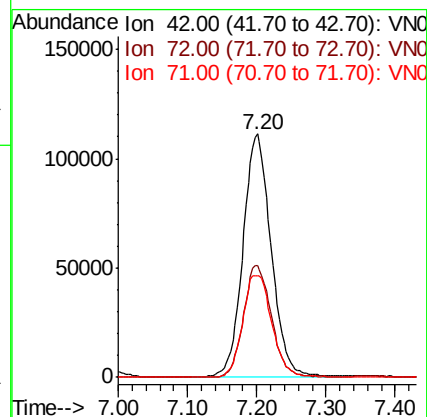
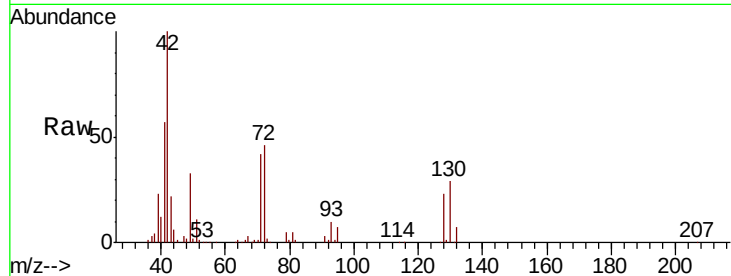
#29
Tetrahydrofuran
Concen: 109.700 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.6	56.4
71	43.3	35.6	53.4

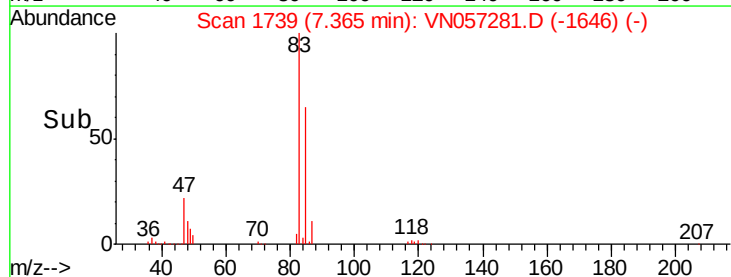
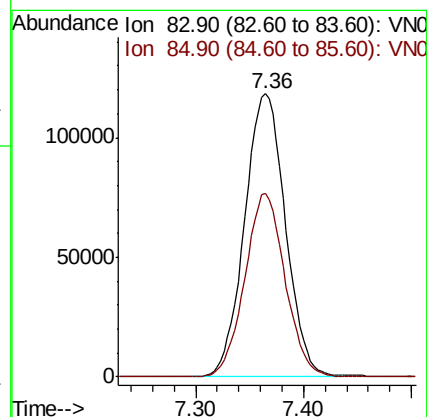
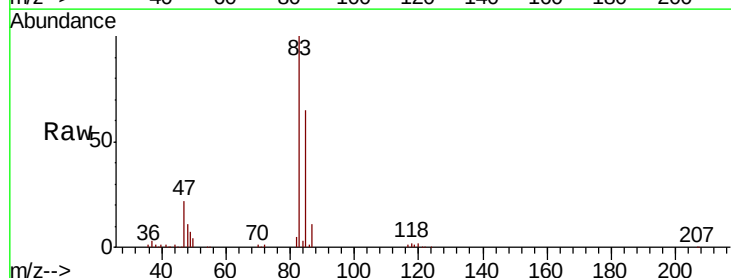
Manual Integrations
APPROVED

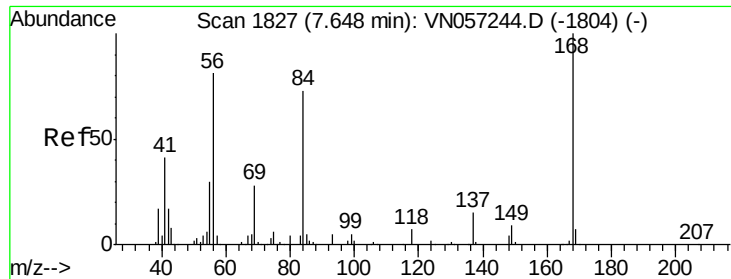
MMDadoda
8/19/2019 1:52:51 AM



#30
Chloroform
Concen: 19.981 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.3	76.9





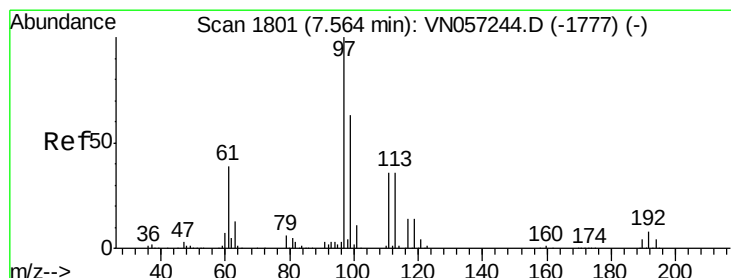
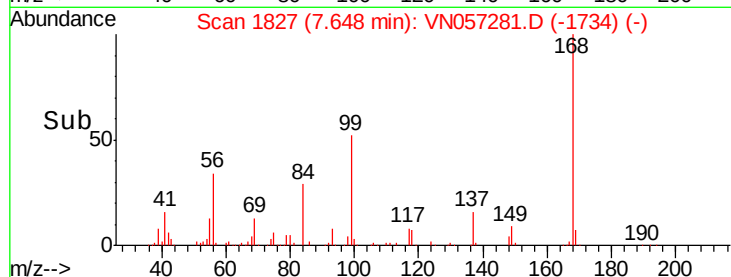
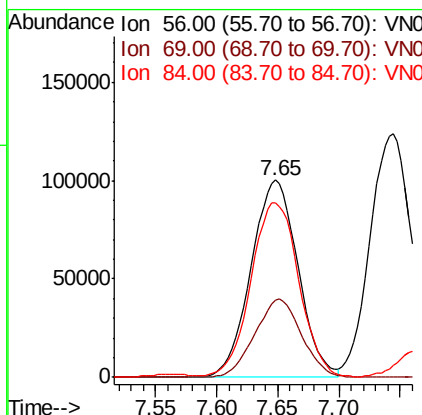
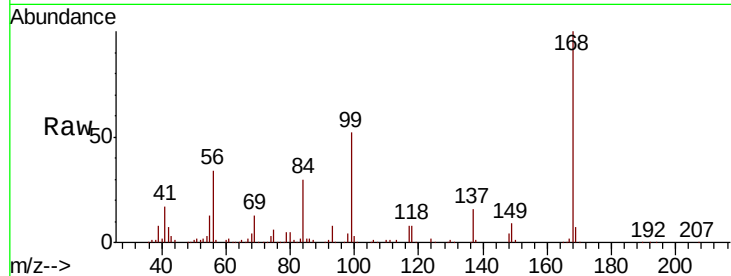
#31
Cyclohexane
Concen: 20.560 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	39.0	27.8	41.8
84	87.4	72.0	108.0

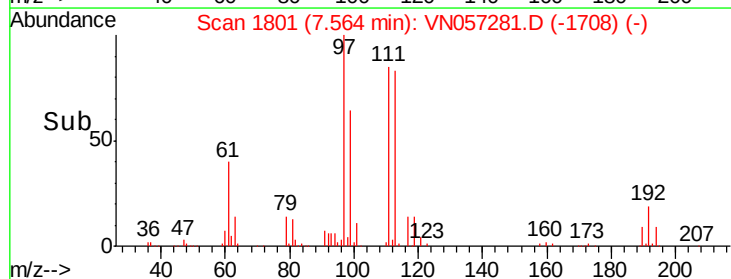
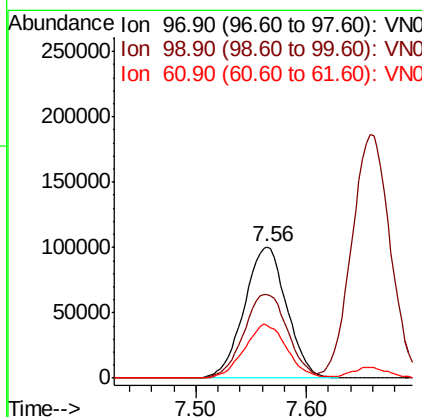
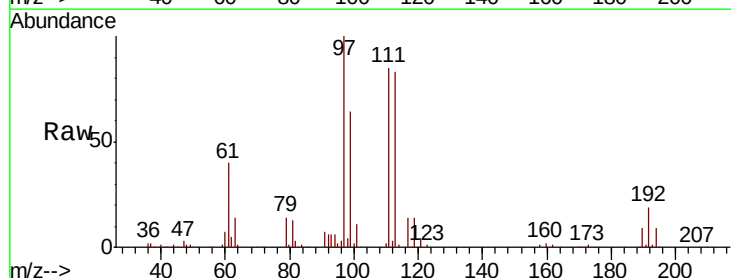
Manual Integrations
APPROVED

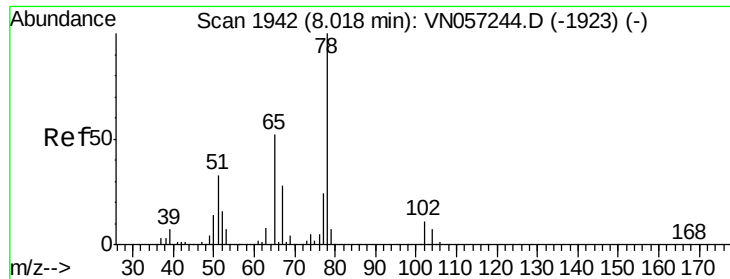
MMdadoda
8/19/2019 1:52:51 AM



#32
1,1,1-Trichloroethane
Concen: 20.340 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.7	77.5
61	41.0	32.1	48.1





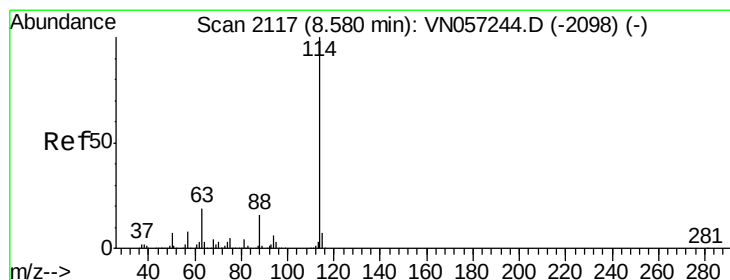
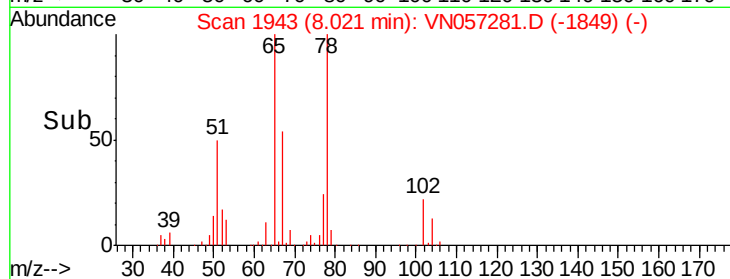
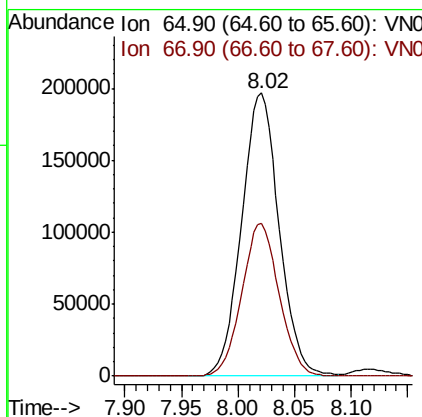
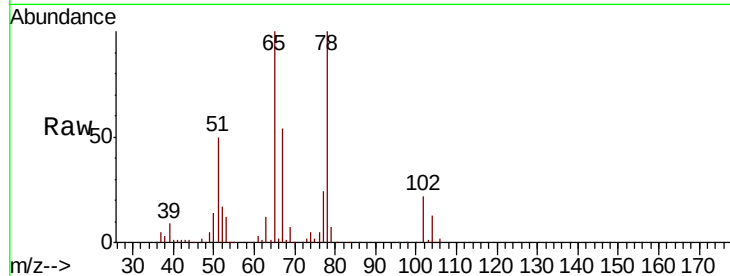
#33
 1,2-Dichloroethane-d4
 Concen: 49.391 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion: 65 Resp: 454247
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 107.0

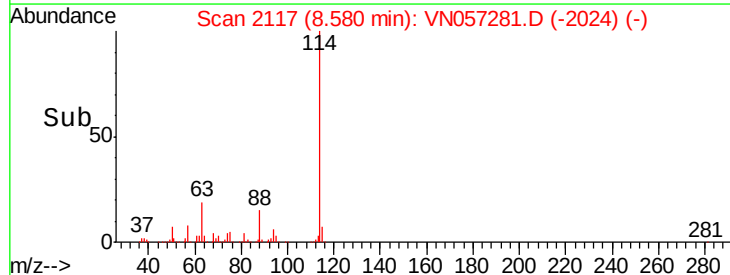
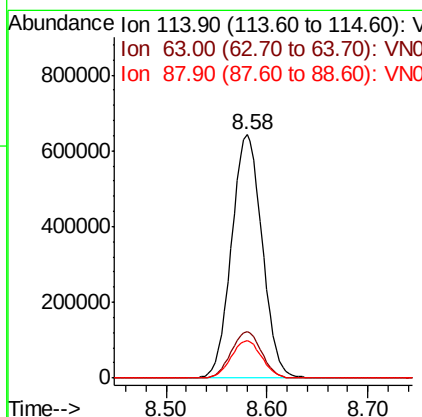
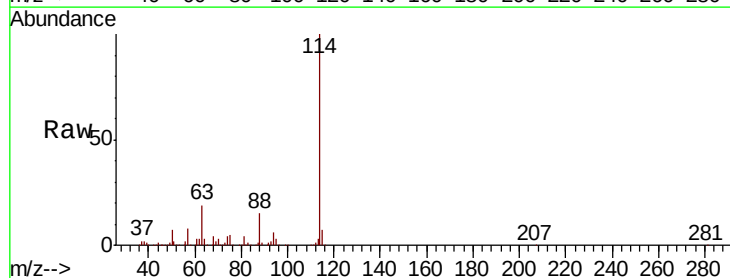
Manual Integrations
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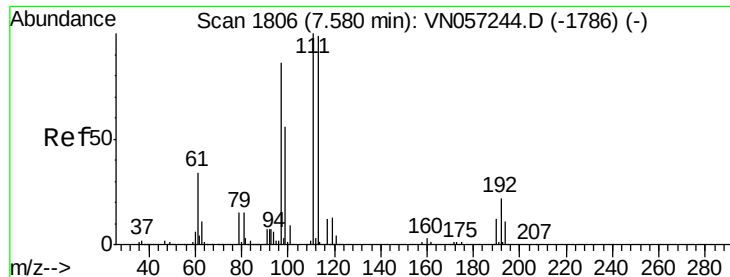
MMdadoda
 8/19/2019 1:52:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion: 114 Resp: 1356511
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 37.0
 88 15.4 0.0 31.0





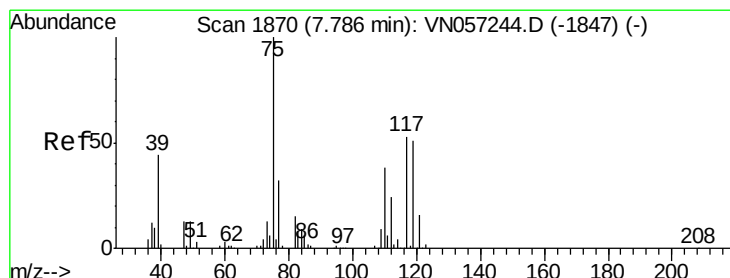
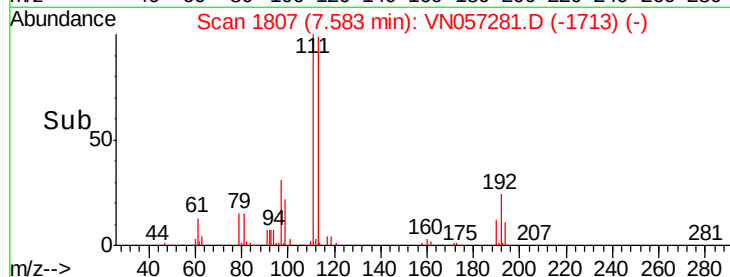
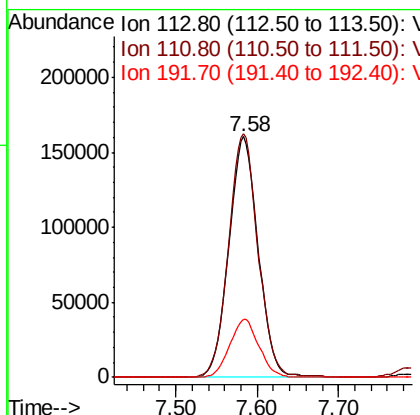
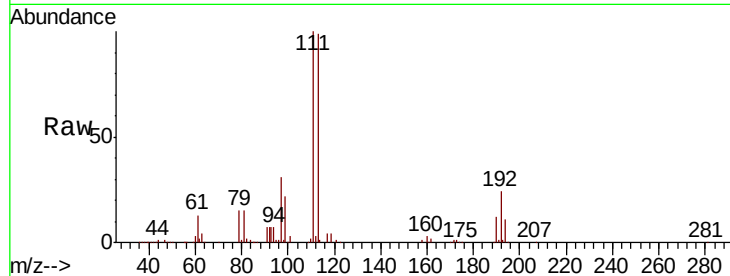
#35
 Dibromofluoromethane
 Concen: 46.606 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	403684		
111	101.5	81.4	122.2	
192	23.8	18.8	28.2	

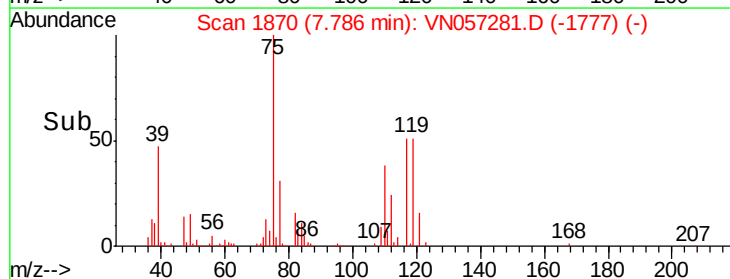
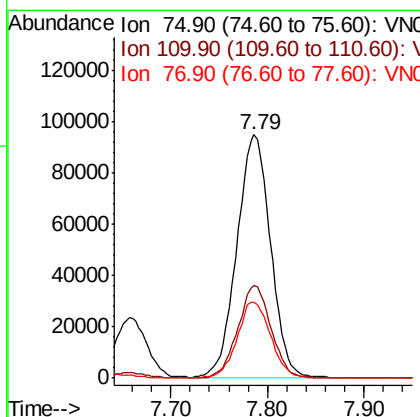
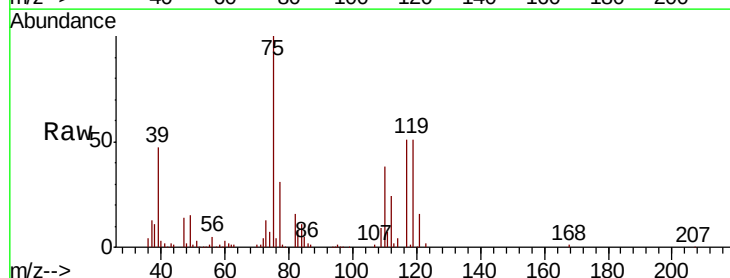
Manual Integrations
 APPROVED

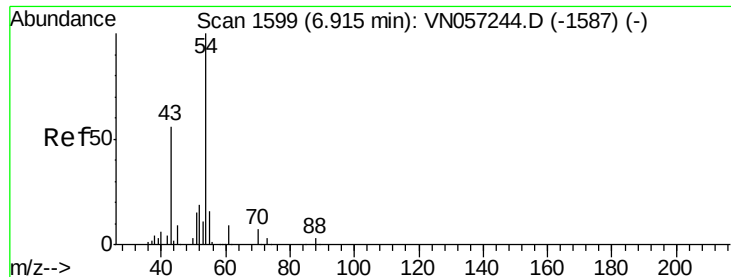
MMdadoda
 8/19/2019 1:52:51 AM



#36
 1,1-Dichloropropene
 Concen: 19.340 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	229369		
110	37.6	19.1	57.1	
77	31.3	25.2	37.8	





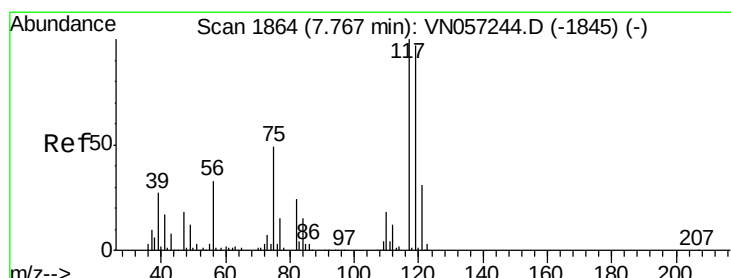
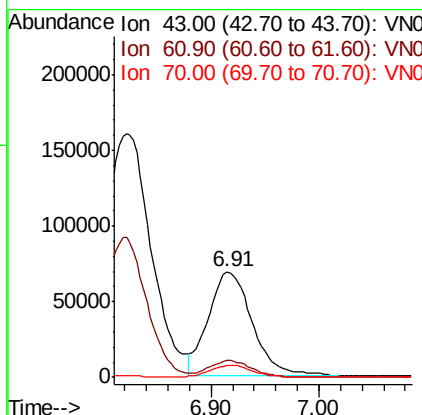
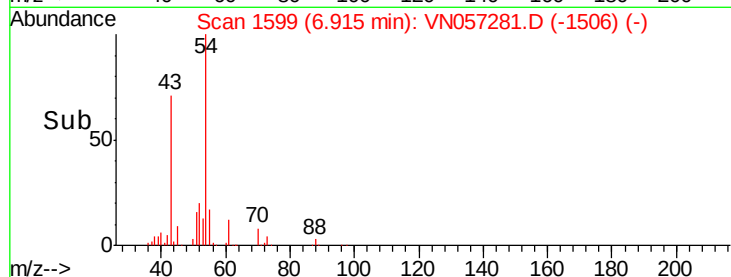
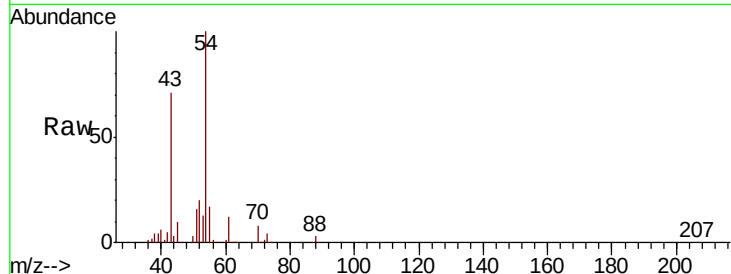
#37
Ethyl Acetate
Concen: 20.436 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.7	19.1
70	11.5	9.0	13.4

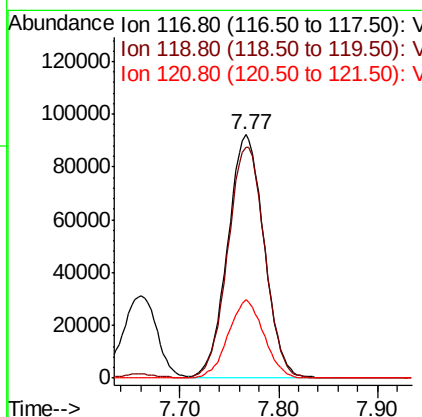
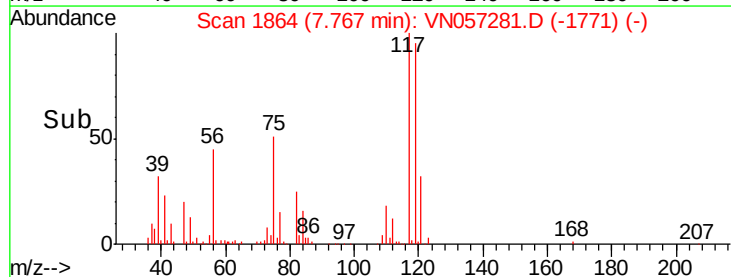
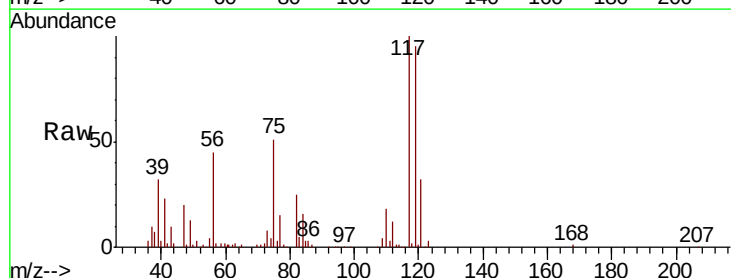
Manual Integrations
APPROVED

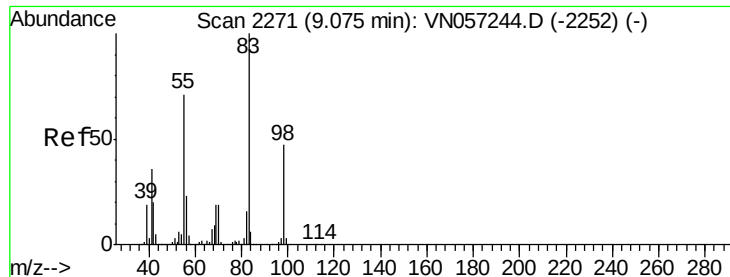
MMdadoda
8/19/2019 1:52:51 AM



#38
Carbon Tetrachloride
Concen: 18.829 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.6
121	32.1	24.9	37.3





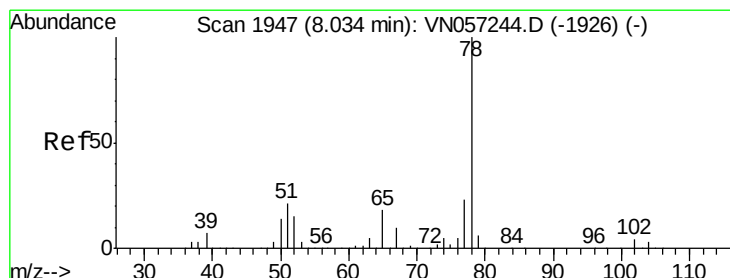
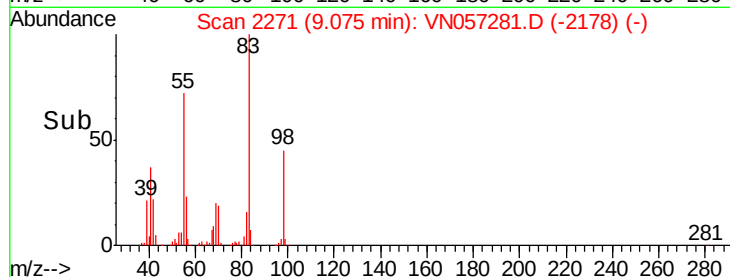
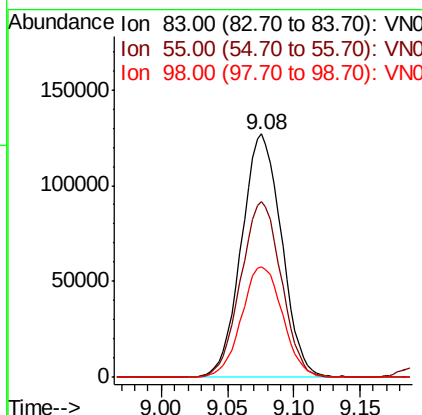
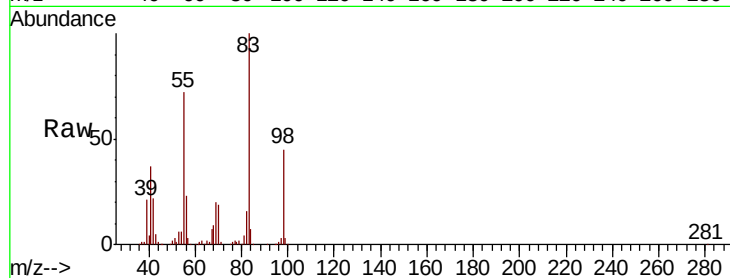
#39
Methylcyclohexane
Concen: 19.043 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.2	57.0	85.4
98	45.1	37.2	55.8

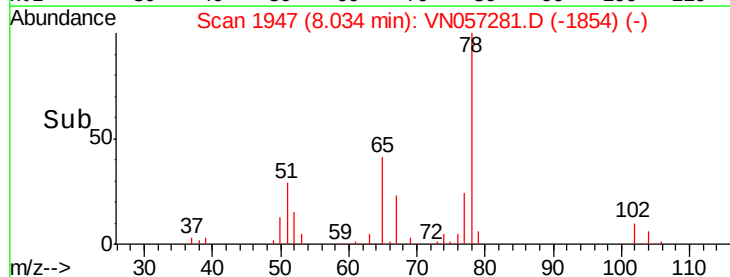
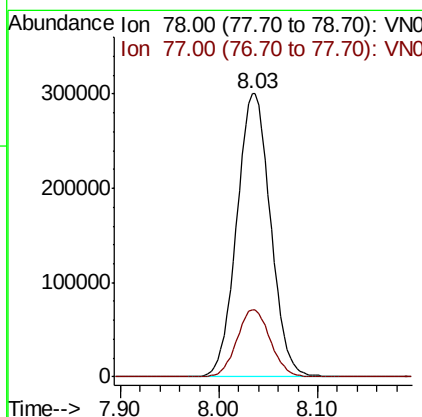
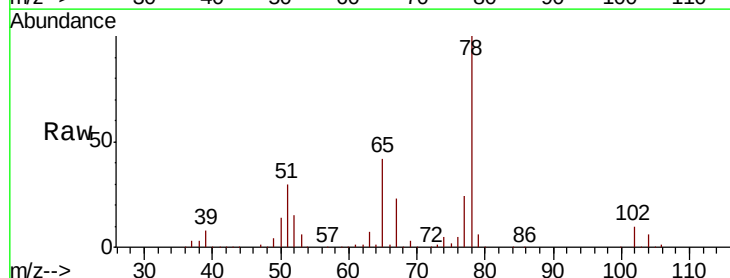
Manual Integrations
APPROVED

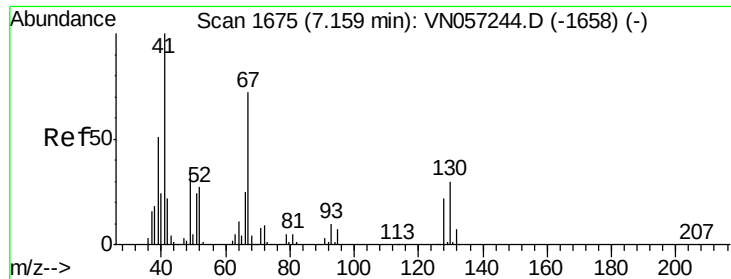
MMDadoda
8/19/2019 1:52:51 AM



#40
Benzene
Concen: 19.757 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.4





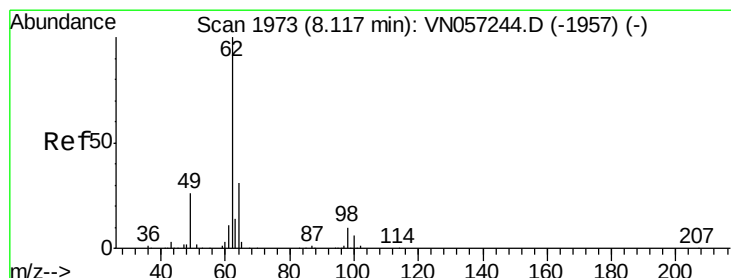
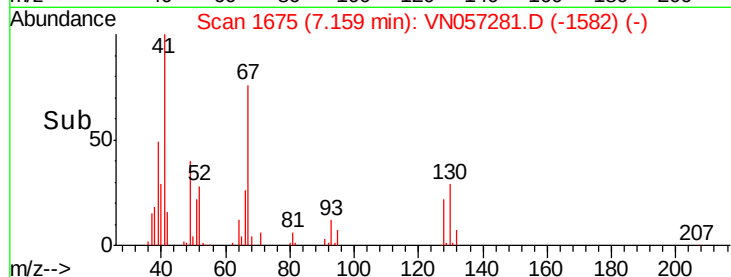
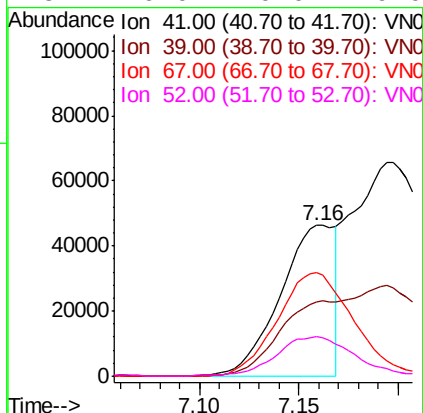
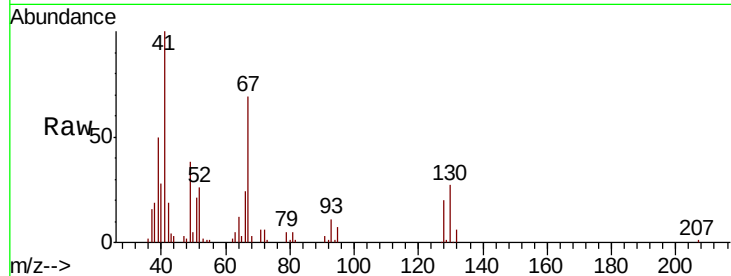
#41
Methacrylonitrile
Concen: 22.764 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

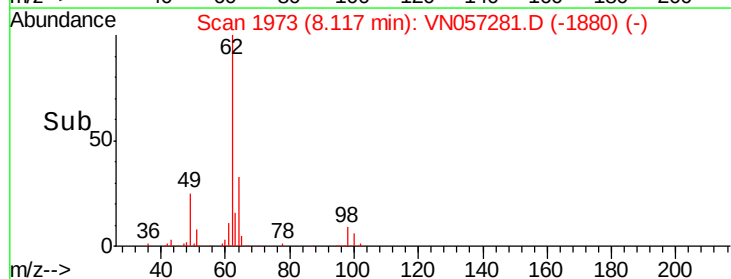
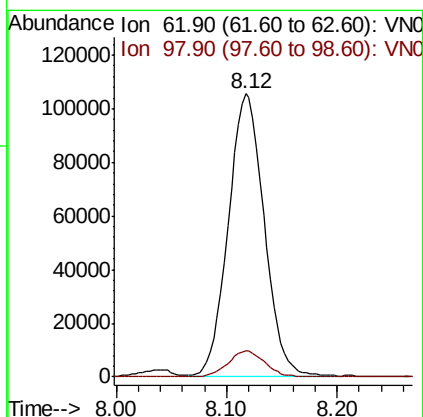
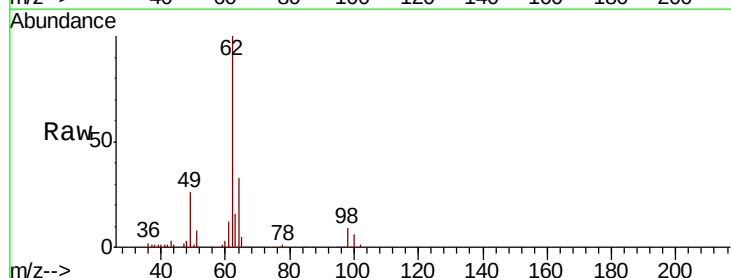
Manual Integrations
APPROVED

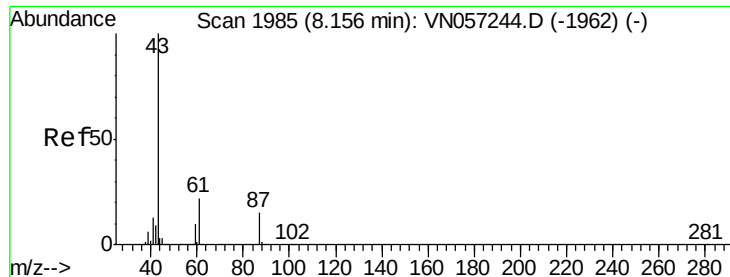
MMdadoda
8/19/2019 1:52:51 AM



#42
1,2-Dichloroethane
Concen: 20.559 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 22.840 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

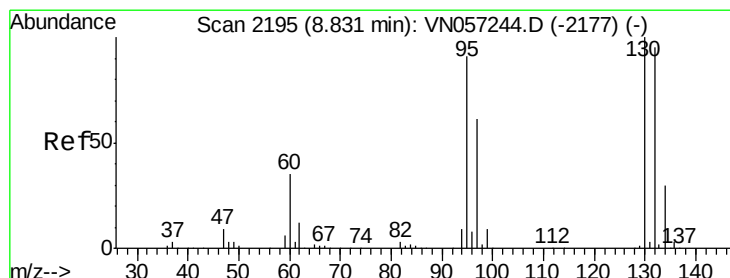
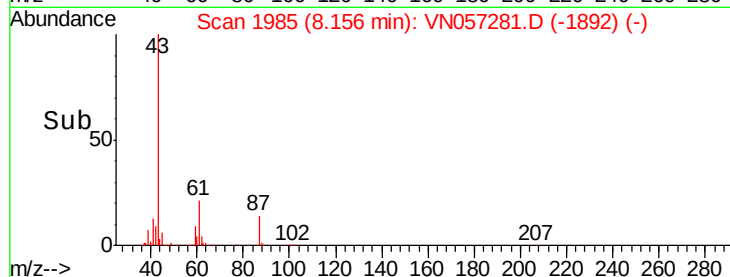
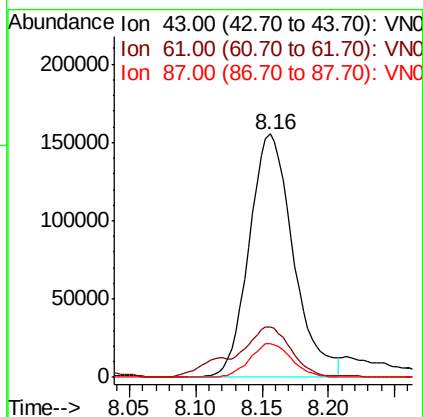
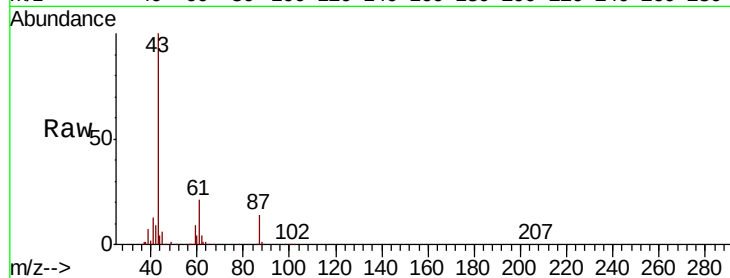
ClientSampleId :

VN0814WBSD01

Tgt Ion:	43	Resp:	358565
Ion Ratio	Lower	Upper	
43	100		
61	26.2	23.5	35.3
87	13.3	12.1	18.1

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#44

Trichloroethene

Concen: 19.055 ug/l

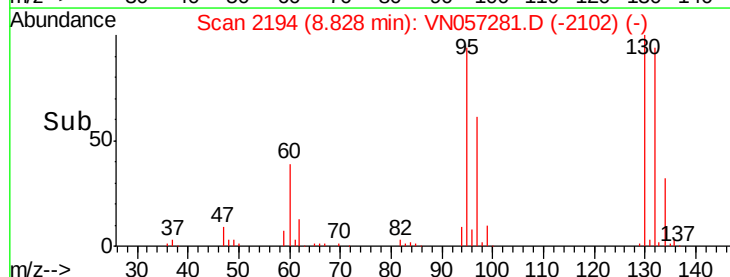
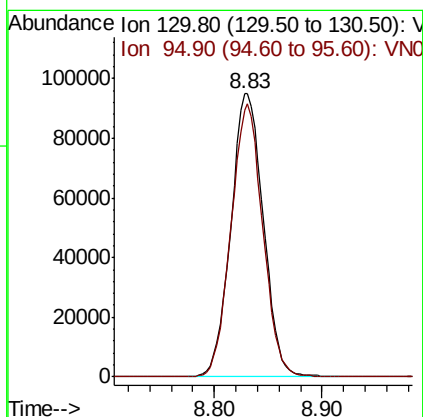
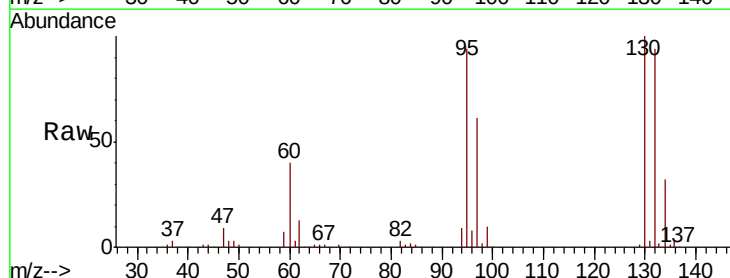
RT: 8.83 min Scan# 2194

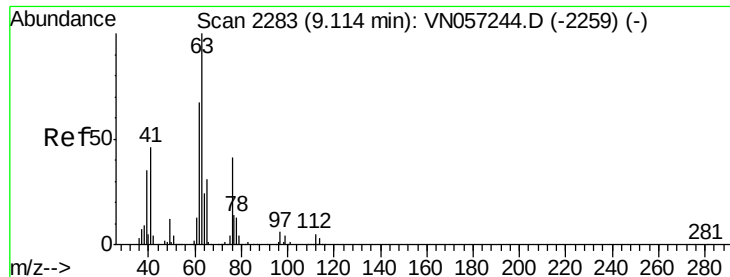
Delta R.T. -0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	130	Resp:	199016
Ion Ratio	Lower	Upper	
130	100		
95	94.3	0.0	181.8





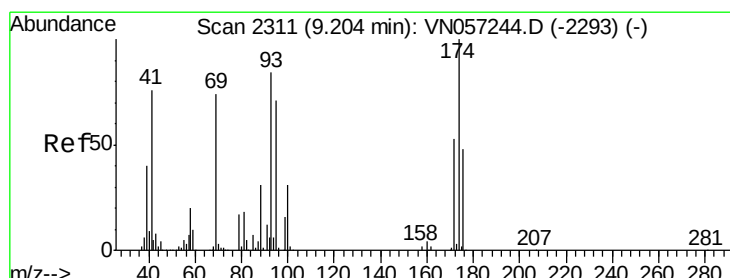
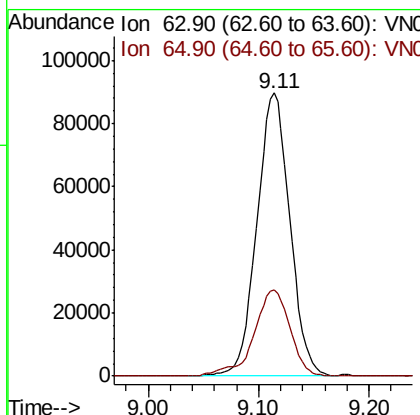
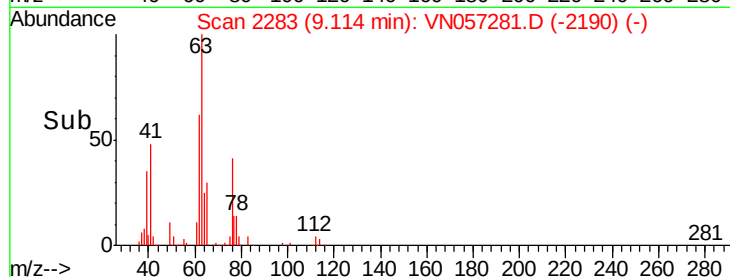
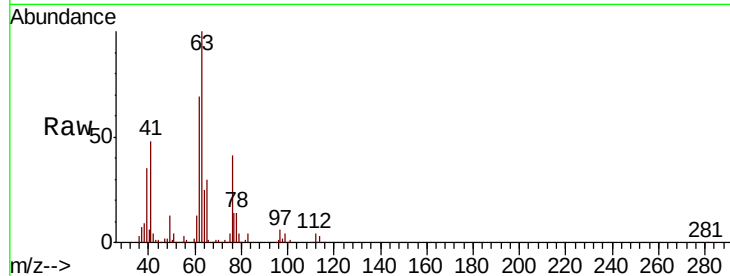
#45
 1,2-Dichloropropane
 Concen: 20.354 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion: 63 Resp: 185784
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

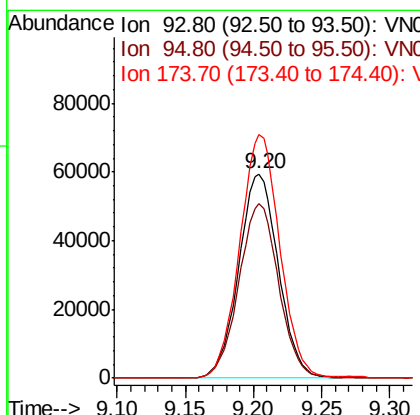
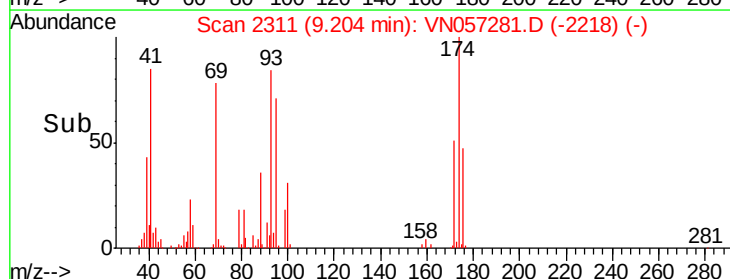
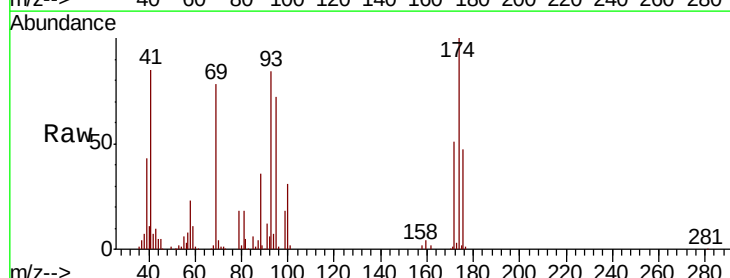
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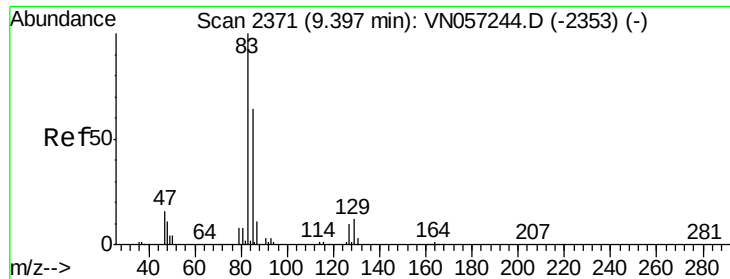
MMdadoda
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#46
 Dibromomethane
 Concen: 19.456 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion: 93 Resp: 119738
 Ion Ratio Lower Upper
 93 100
 95 86.0 67.0 100.4
 174 120.5 96.2 144.2





#47

Bromodichloromethane

Concen: 20.387 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

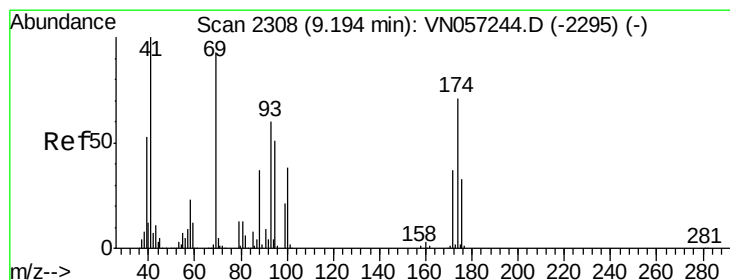
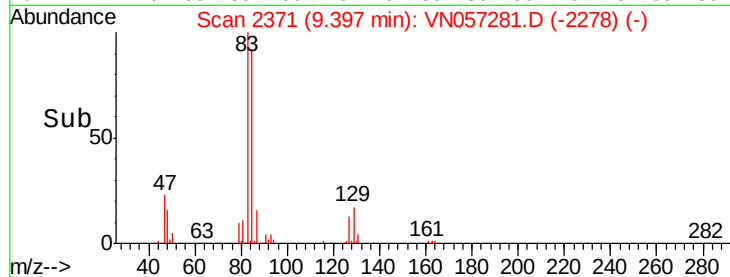
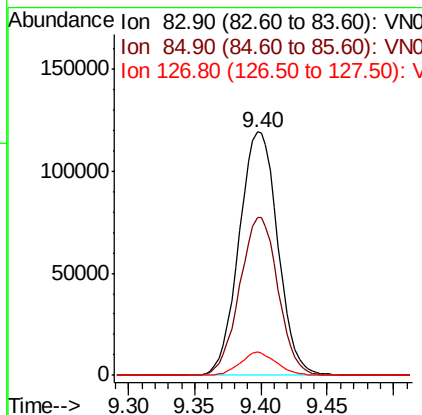
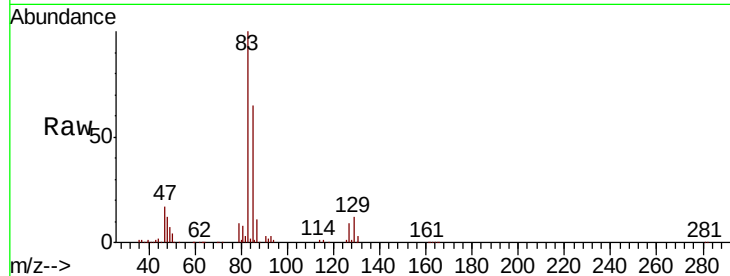
ClientSampleId :

VN0814WBSD01

Tgt Ion:	83	Resp:	241895
Ion Ratio	Lower	Upper	
83	100		
85	65.1	51.4	77.0
127	9.4	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.512 ug/l

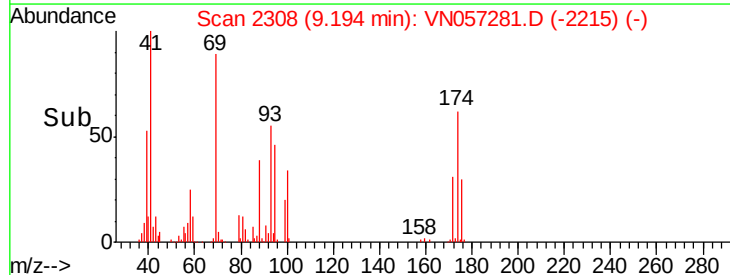
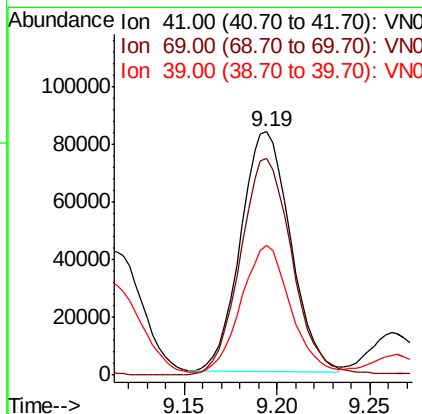
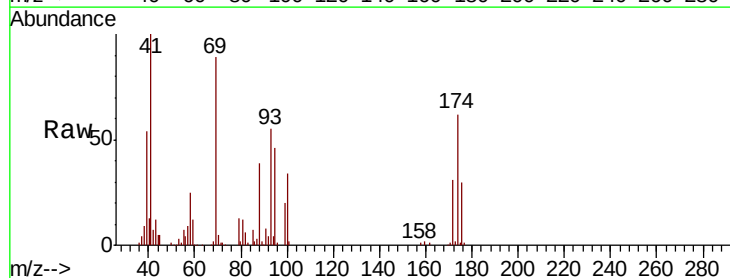
RT: 9.19 min Scan# 2308

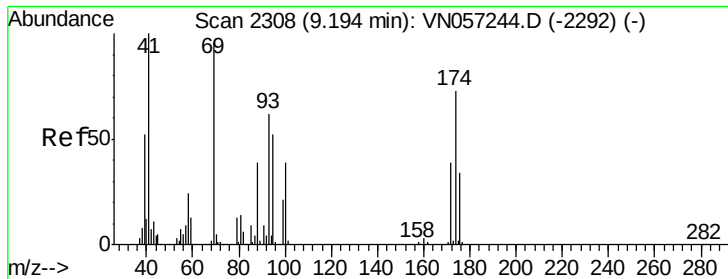
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	41	Resp:	156268
Ion Ratio	Lower	Upper	
41	100		
69	93.5	75.7	113.5
39	53.4	43.3	64.9





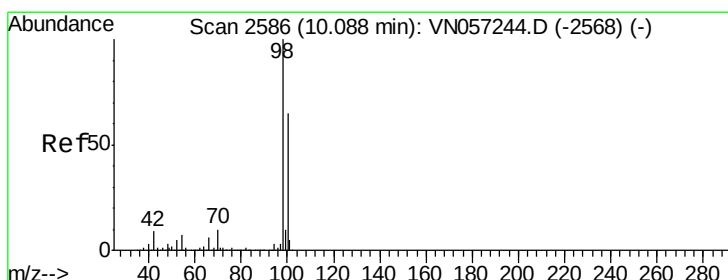
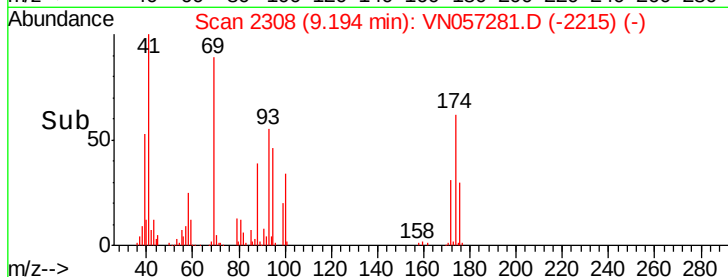
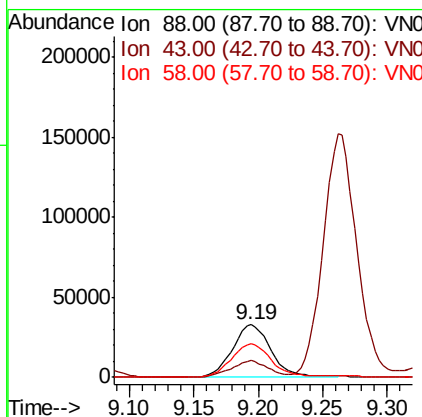
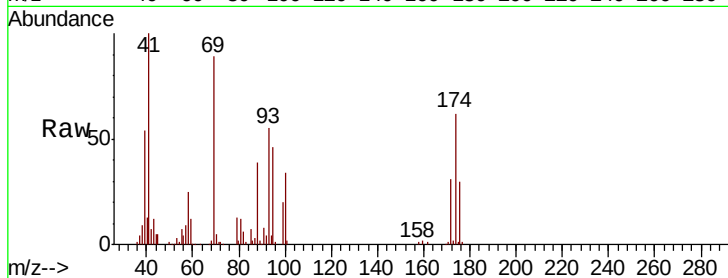
#49
1,4-Dioxane
Concen: 419.975 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.2	20.7	31.1
58	65.3	52.0	78.0

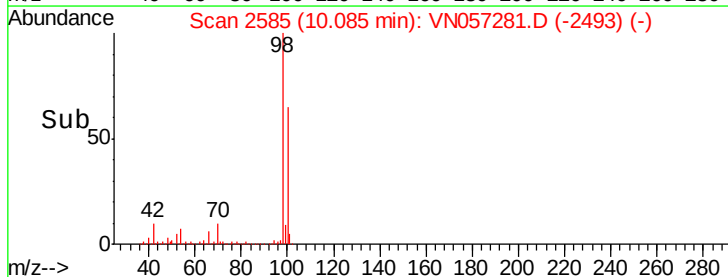
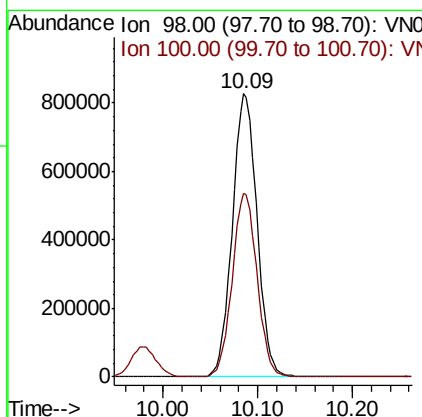
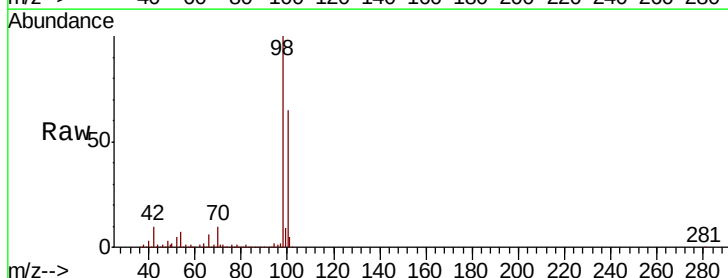
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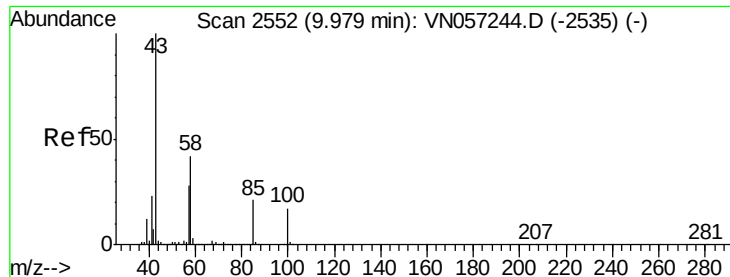
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#50
Toluene-d8
Concen: 47.395 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.8	77.6





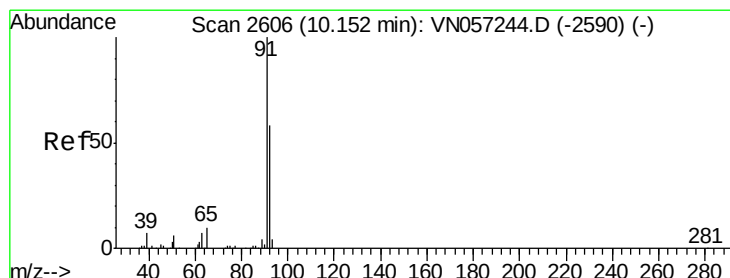
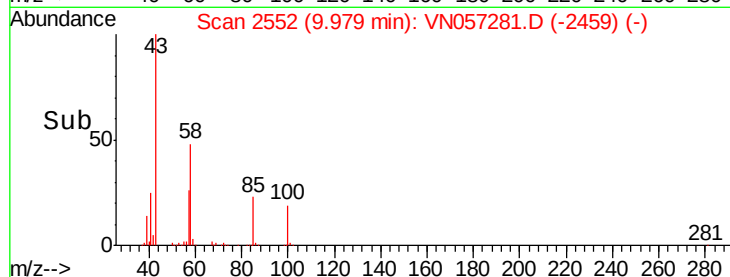
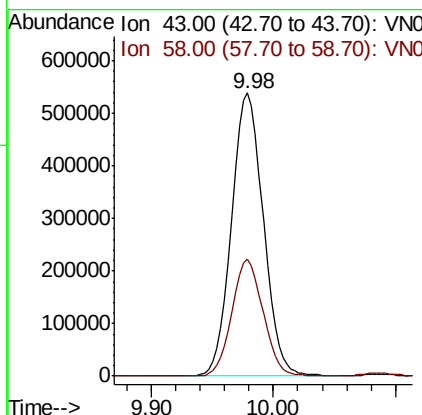
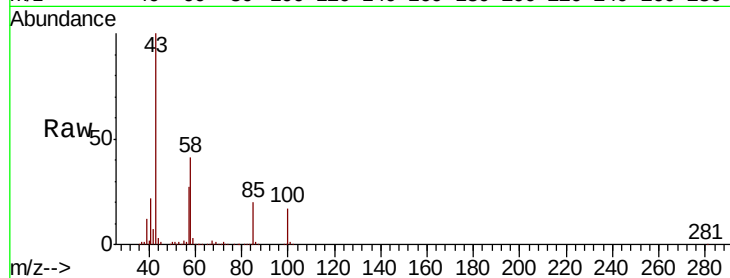
#51
 4-Methyl-2-Pentanone
 Concen: 105.829 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion: 43 Resp: 975587
 Ion Ratio Lower Upper
 43 100
 58 40.6 33.7 50.5

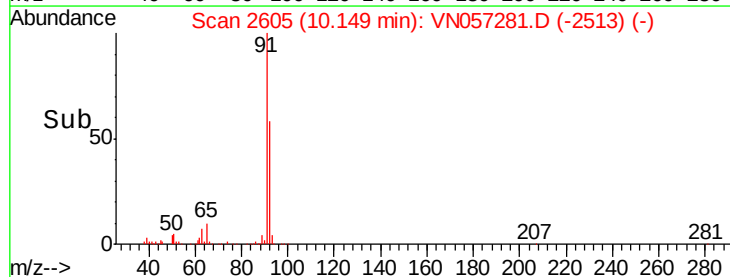
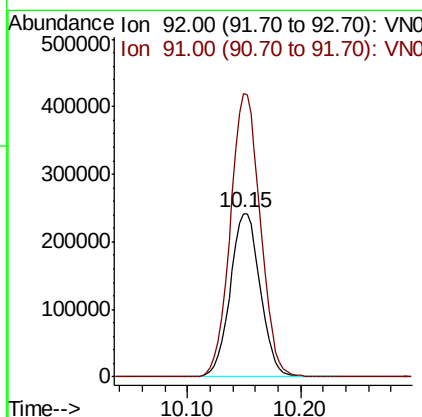
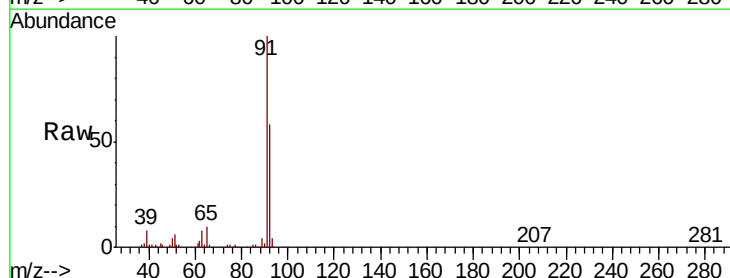
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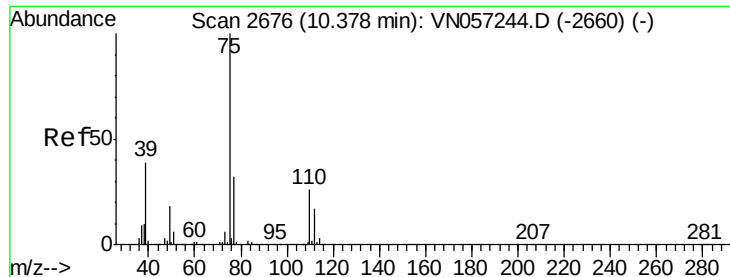
MMdadoda
 8/19/2019 1:52:51 AM



#52
 Toluene
 Concen: 19.936 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion: 92 Resp: 446240
 Ion Ratio Lower Upper
 92 100
 91 173.4 138.2 207.2





#53

t-1,3-Dichloropropene

Concen: 20.511 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 75 Resp: 260321

Ion Ratio Lower Upper

75 100

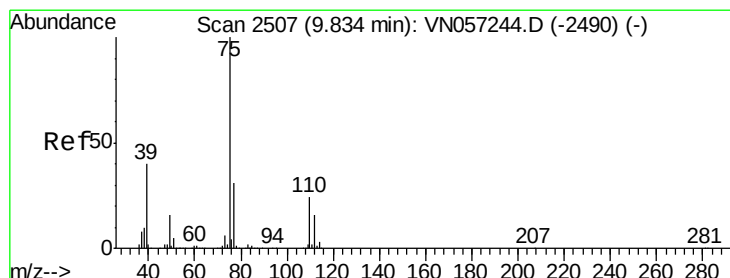
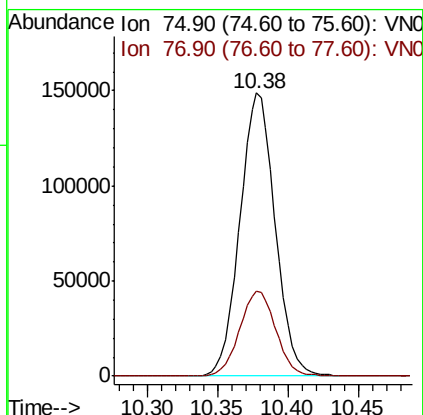
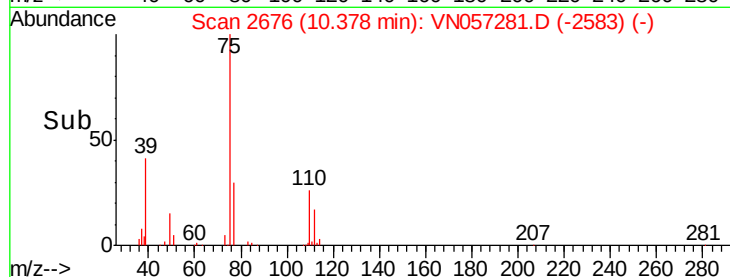
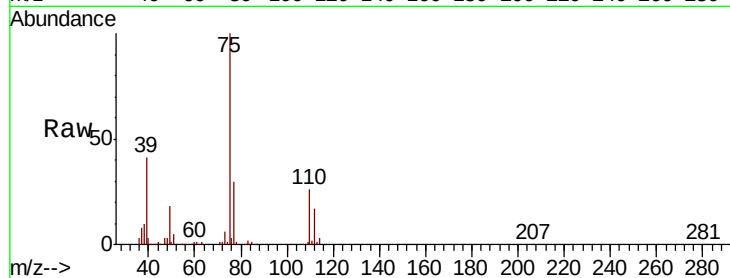
77 30.1 25.3 37.9

Manual Integrations

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MMdadoda

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#54

cis-1,3-Dichloropropene

Concen: 20.094 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

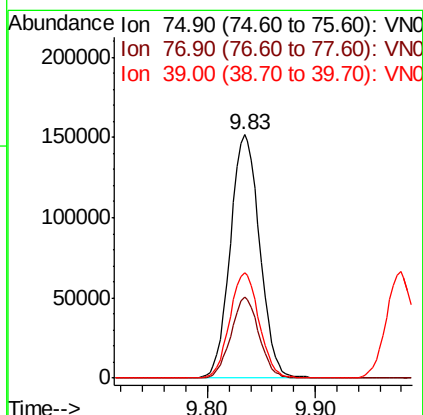
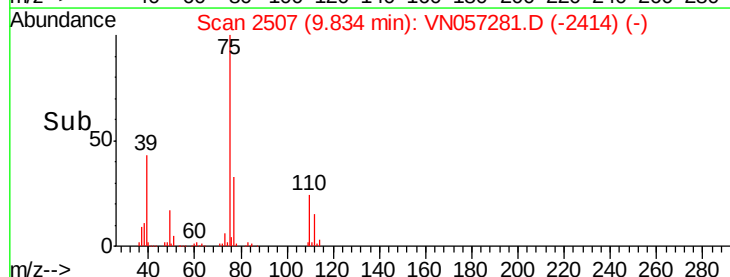
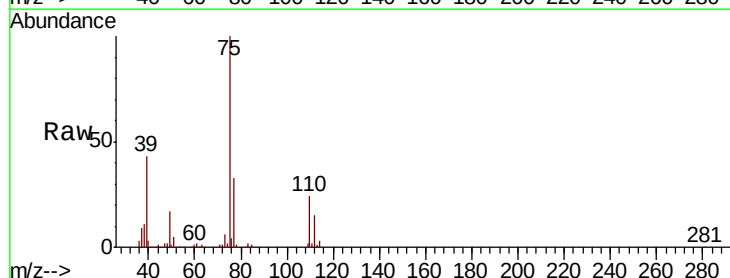
Tgt Ion: 75 Resp: 287423

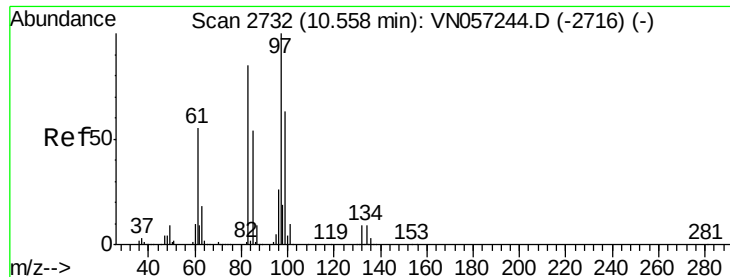
Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.6

39 43.4 32.3 48.5





#55

1,1,2-Trichloroethane

Concen: 20.263 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

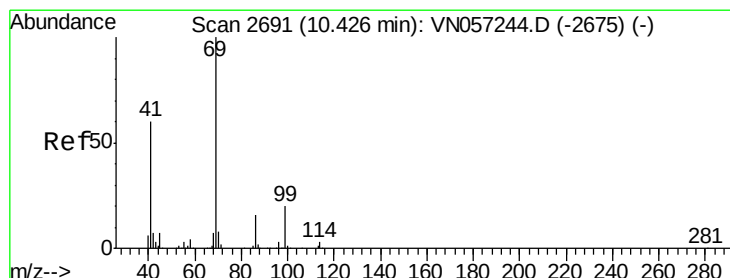
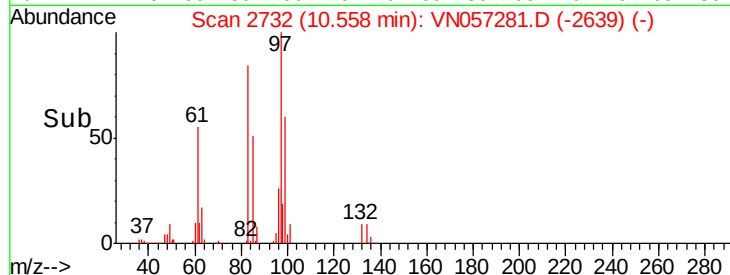
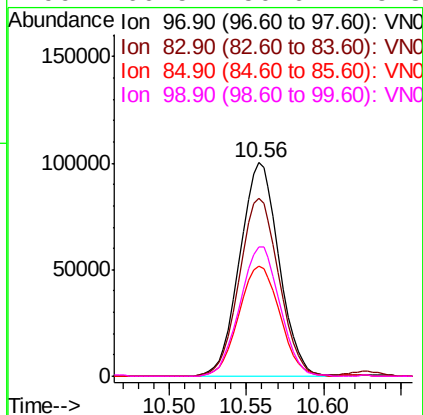
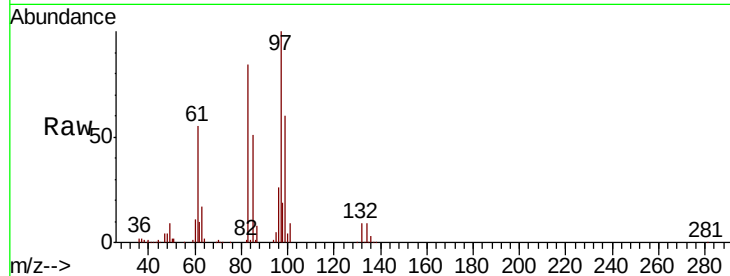
ClientSampleId :

VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	177283		
83	83.5	68.4	102.6	
85	51.5	43.0	64.6	
99	60.5	50.6	75.8	

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#56

Ethyl methacrylate

Concen: 20.274 ug/l

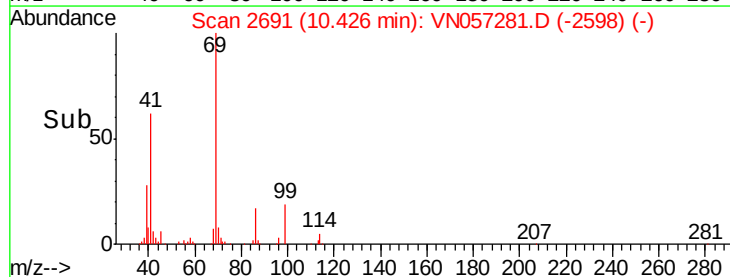
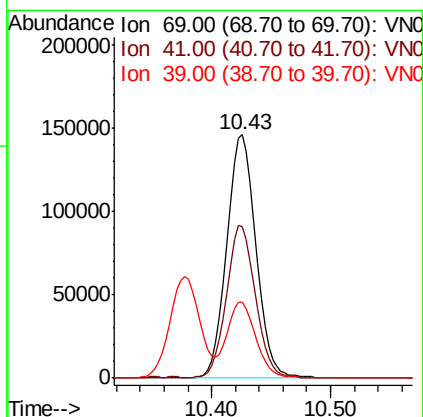
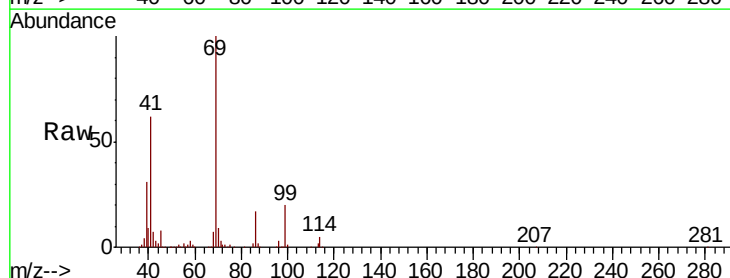
RT: 10.43 min Scan# 2691

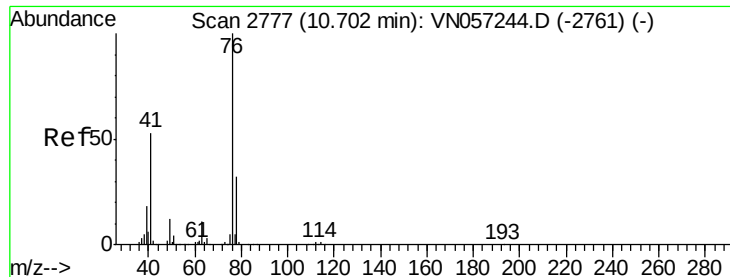
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	248860		
41	61.6	47.6	71.4	
39	30.7	23.4	35.0	





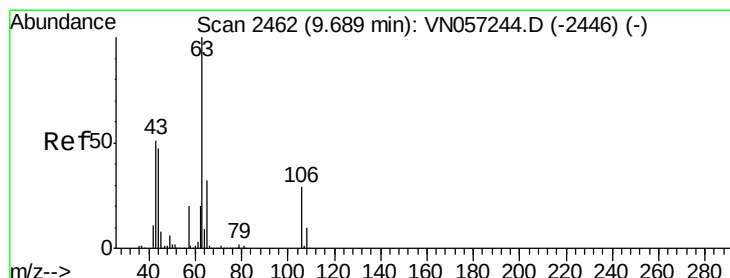
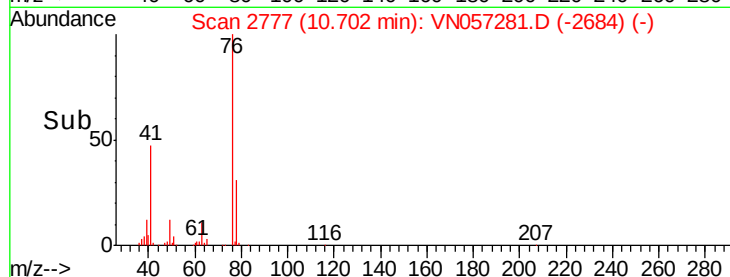
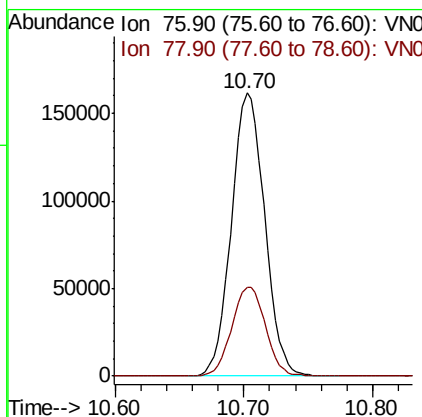
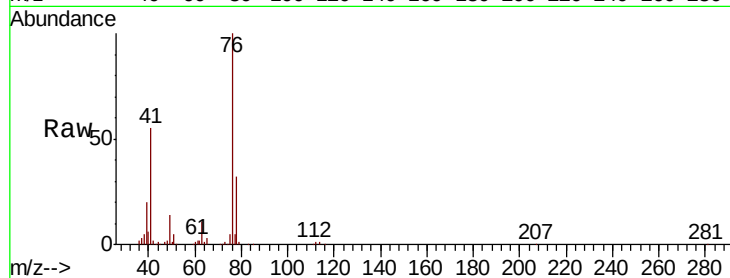
#57
 1,3-Dichloropropane
 Concen: 20.086 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion: 76 Resp: 289937
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.0 39.0

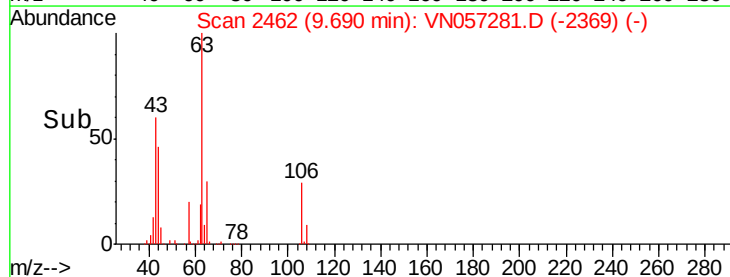
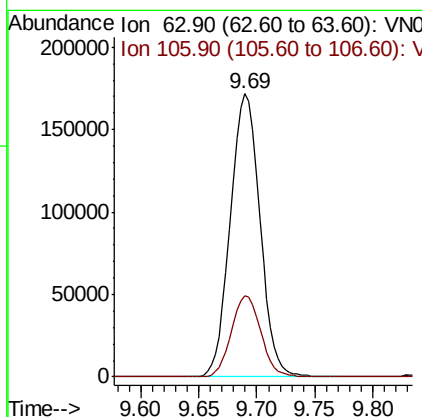
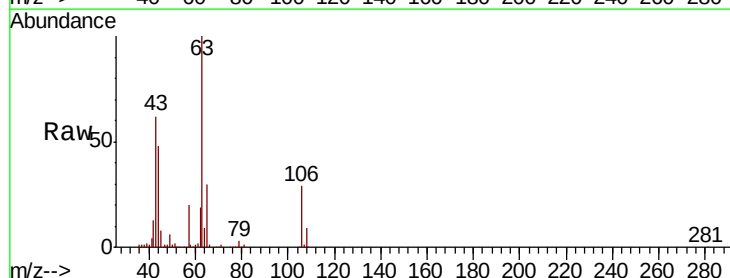
Manual Integrations
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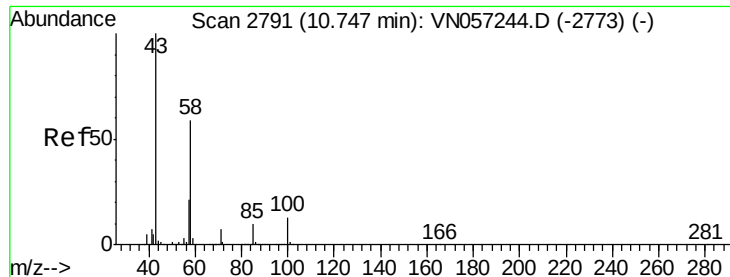
MMdadoda
 8/19/2019 1:52:51 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.289 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion: 63 Resp: 303994
 Ion Ratio Lower Upper
 63 100
 106 28.5 23.4 35.2





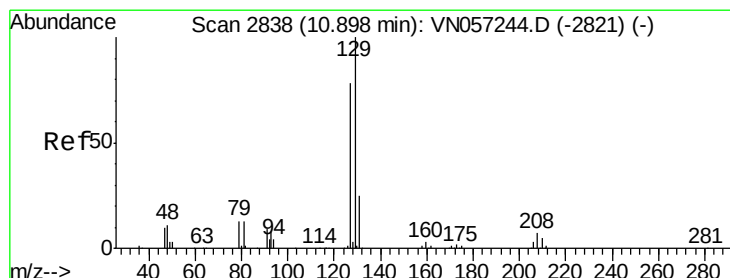
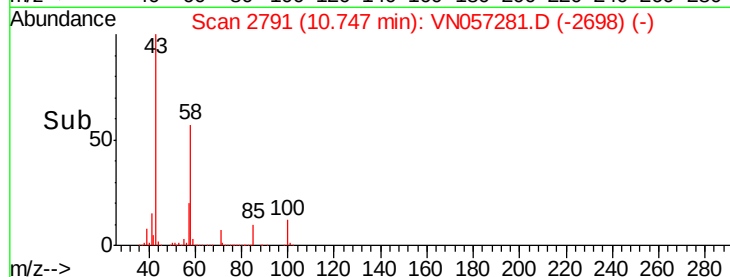
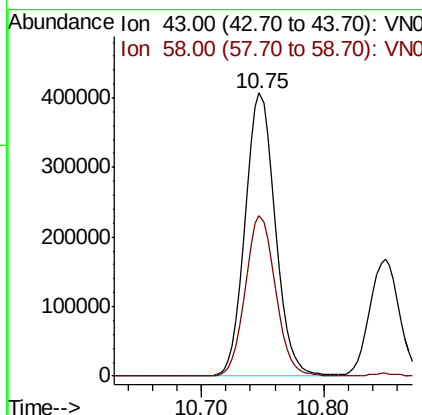
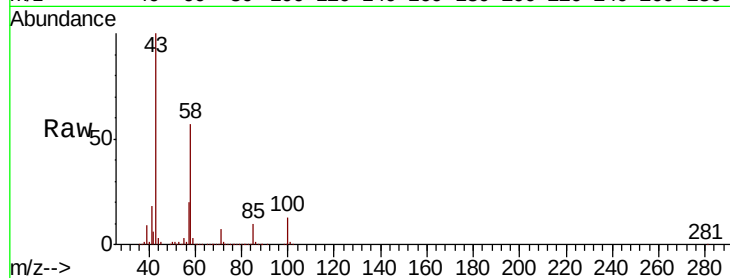
#59
2-Hexanone
Concen: 105.509 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion: 43 Resp: 690103
Ion Ratio Lower Upper
43 100
58 56.9 29.1 87.4

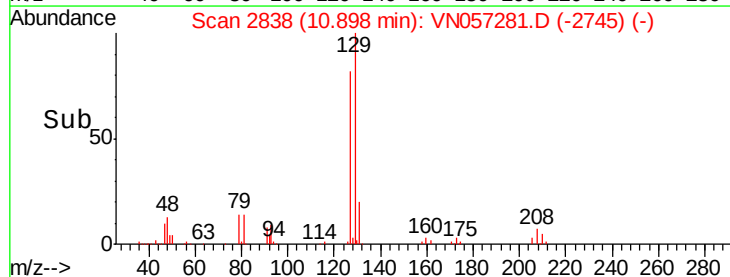
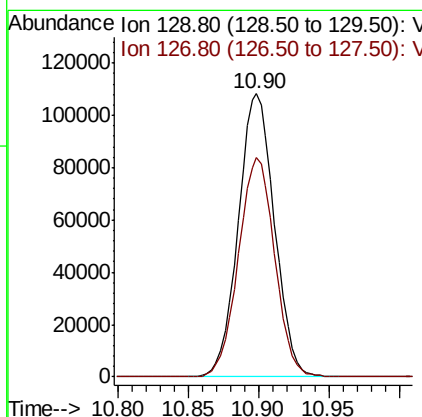
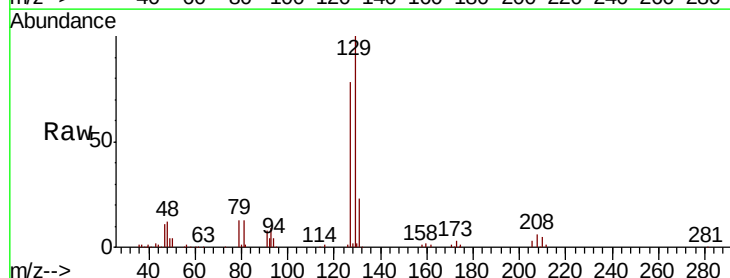
Manual Integrations
APPROVED

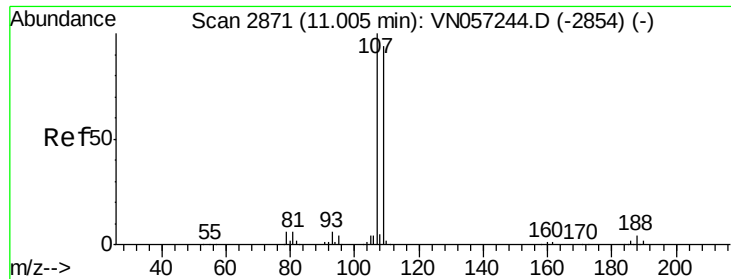
MMdadoda
8/19/2019 1:52:51 AM



#60
Dibromochloromethane
Concen: 19.751 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion: 129 Resp: 193789
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.6





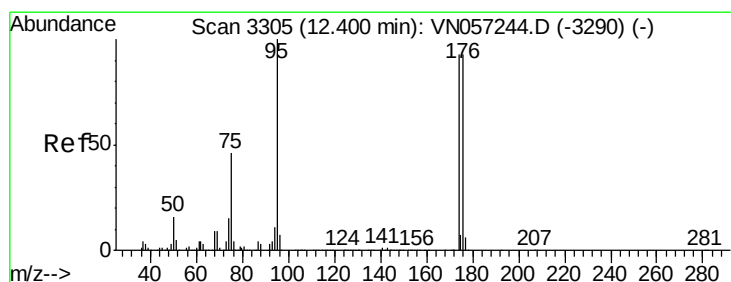
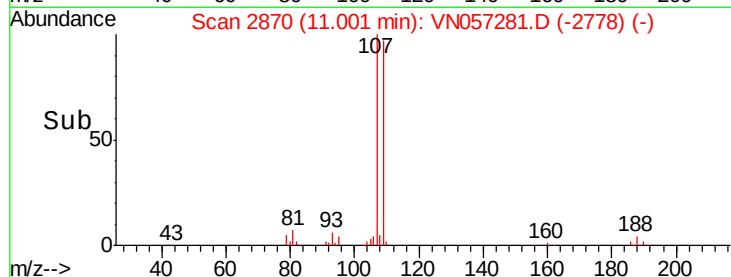
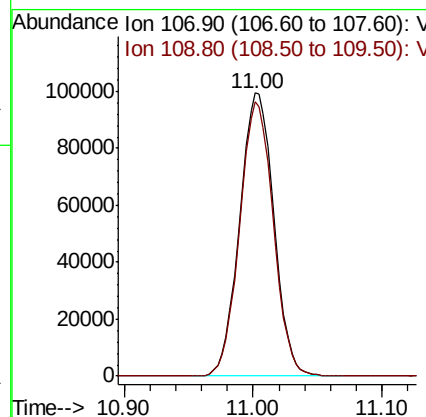
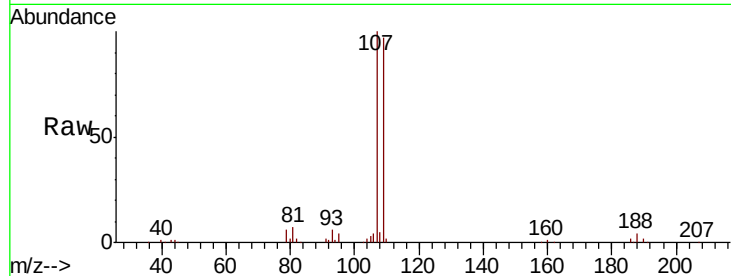
#61
1,2-Dibromoethane
Concen: 20.177 ug/l
RT: 11.00 min Scan# 2870
Delta R.T. -0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	183269		
109	95.4	75.7	113.5	

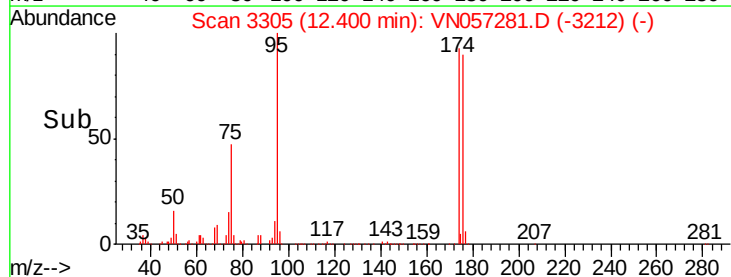
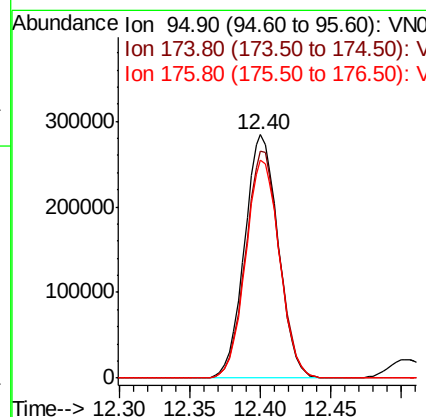
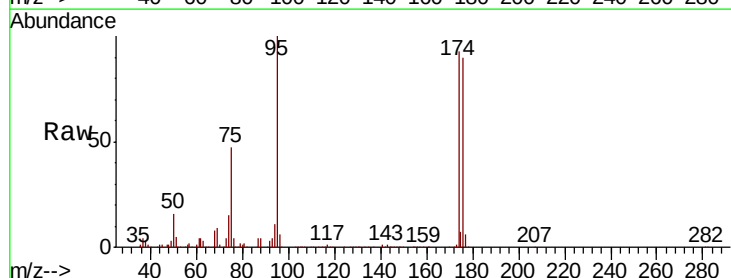
Manual Integrations
APPROVED

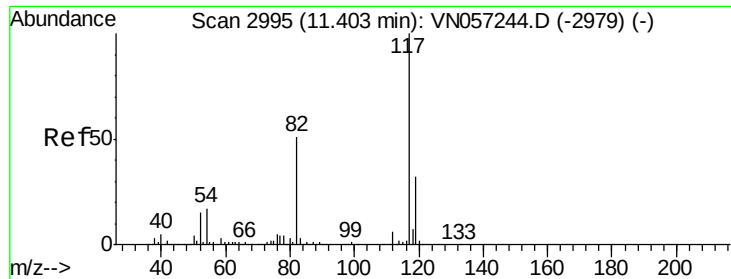
MMDadoda
8/19/2019 1:52:51 AM



#62
4-Bromofluorobenzene
Concen: 44.022 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	476941		
174	93.3	0.0	187.6	
176	90.1	0.0	185.8	





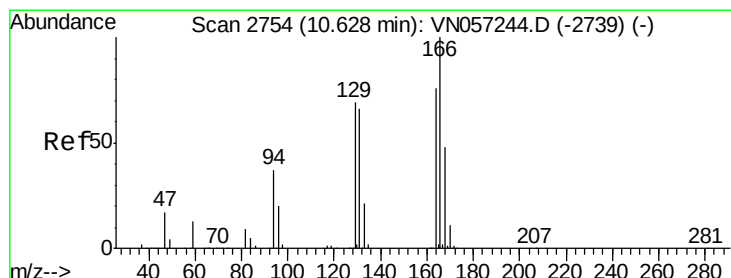
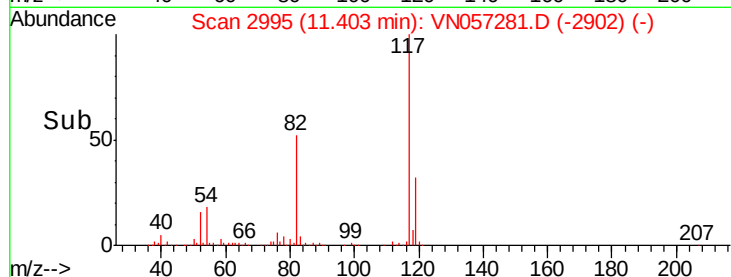
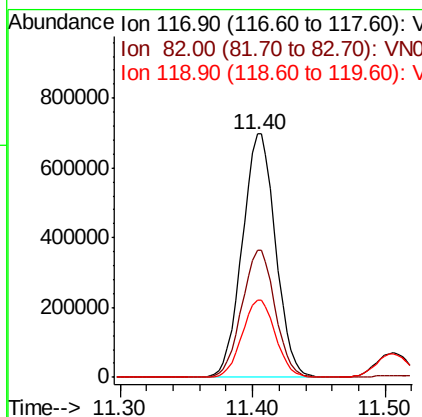
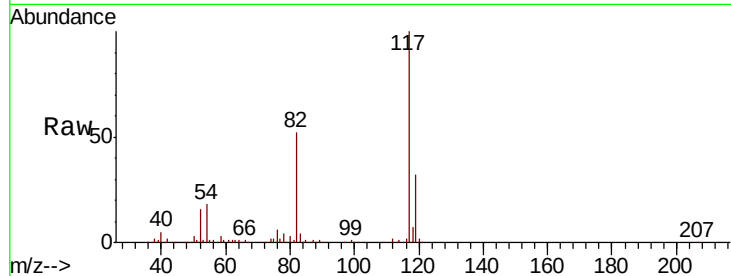
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.3	40.9	61.3
119	31.8	25.4	38.2

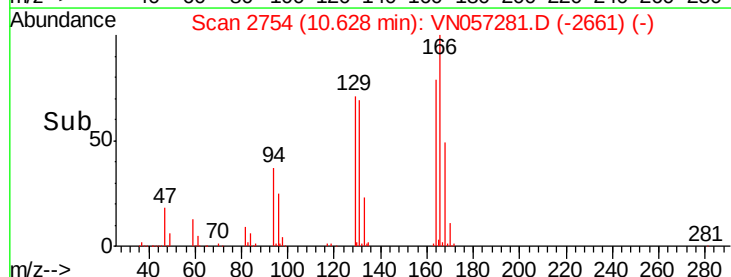
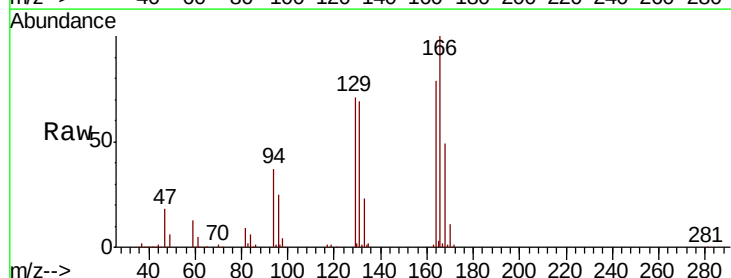
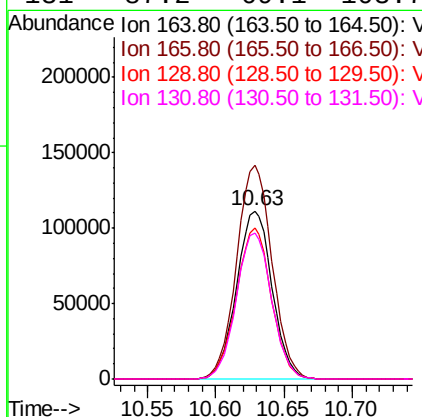
Manual Integrations
APPROVED

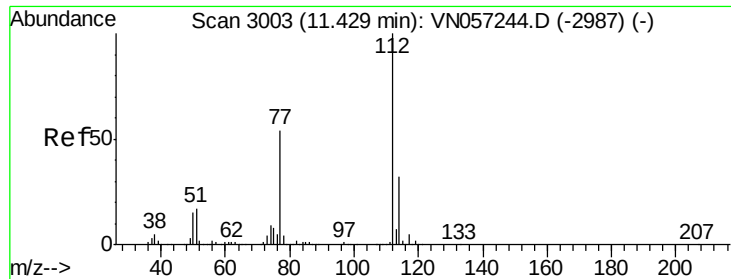
MMdadoda
8/19/2019 1:52:51 AM



#64
Tetrachloroethene
Concen: 18.774 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	104.9	157.3
129	90.1	71.9	107.9
131	87.2	69.1	103.7





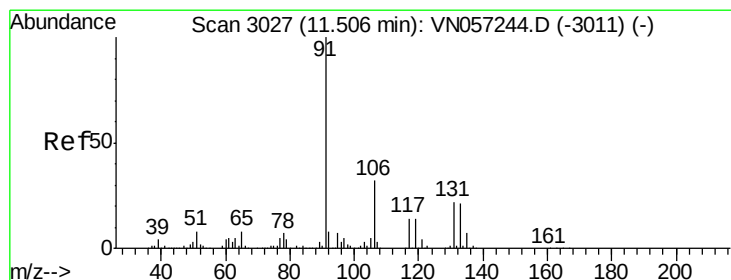
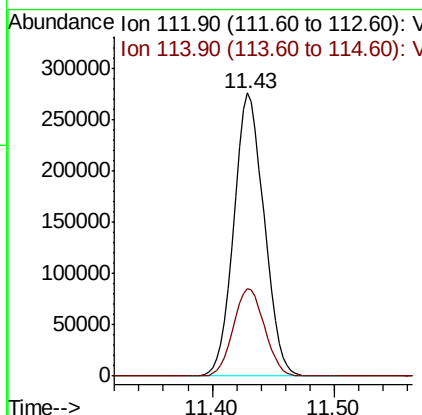
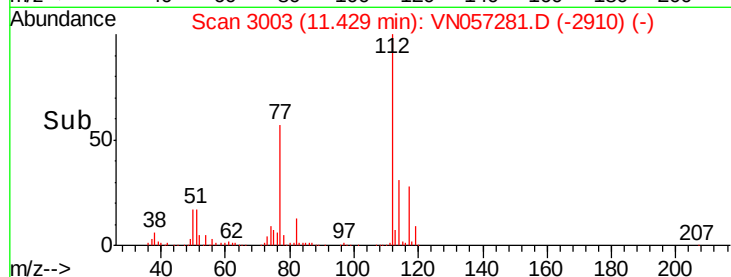
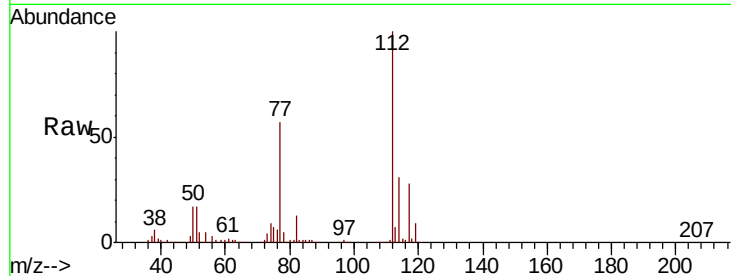
#65
Chlorobenzene
Concen: 19.074 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion:112 Resp: 474679
Ion Ratio Lower Upper
112 100
114 30.9 25.4 38.2

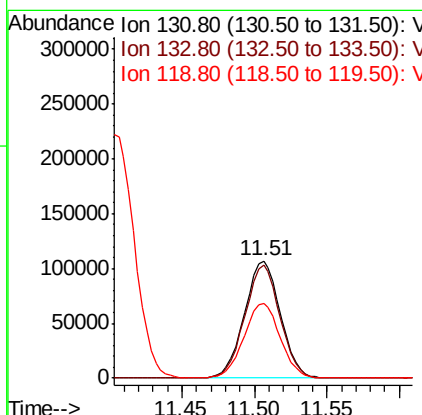
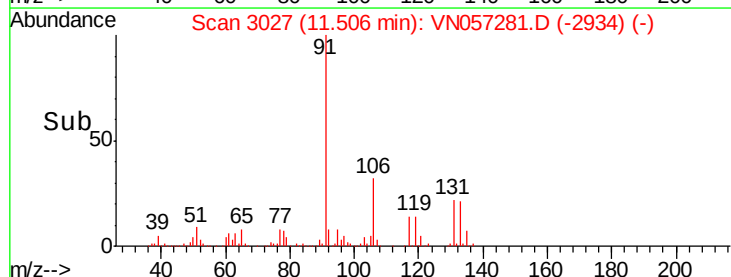
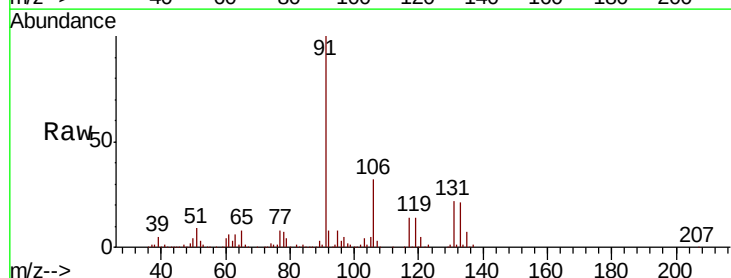
Manual Integrations
APPROVED

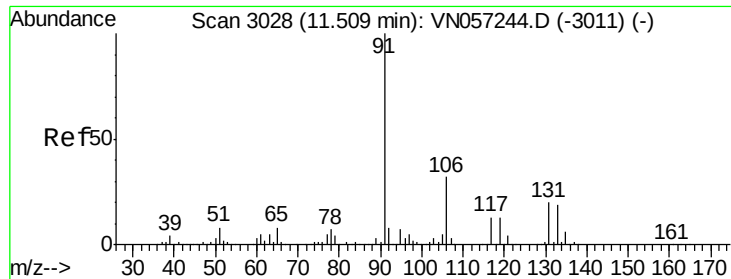
MMdadoda
8/19/2019 1:52:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.173 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion:131 Resp: 184252
Ion Ratio Lower Upper
131 100
133 94.2 46.9 140.7
119 64.5 32.3 96.8





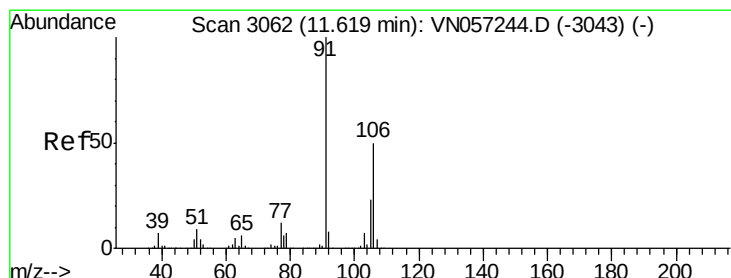
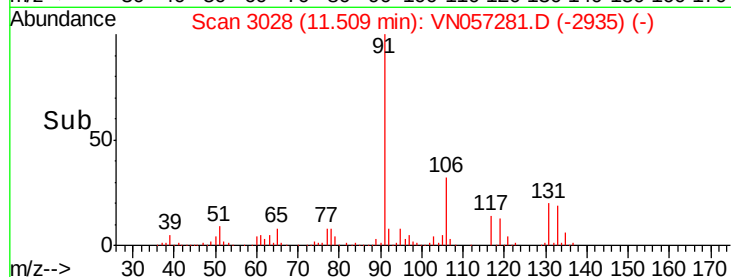
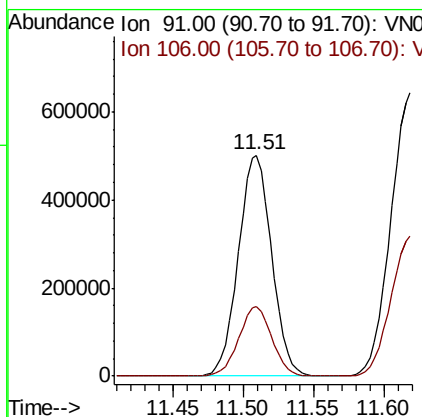
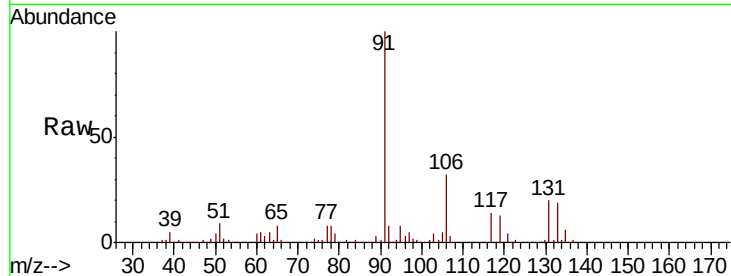
#67
Ethyl Benzene
Concen: 19.535 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD01

Tgt Ion: 91 Resp: 829920
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0

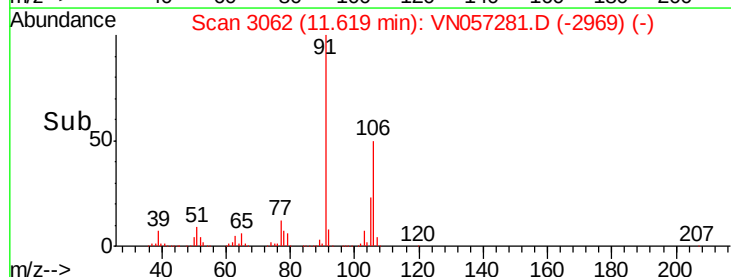
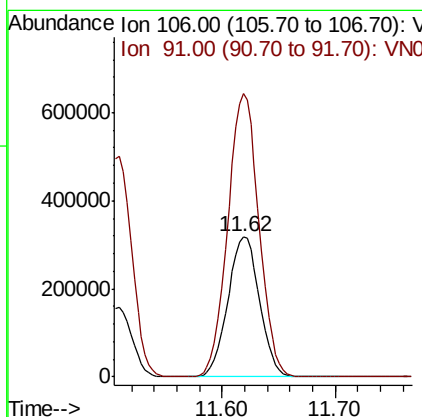
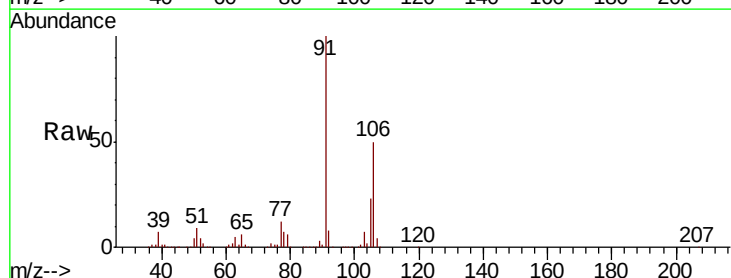
Manual Integrations
APPROVED

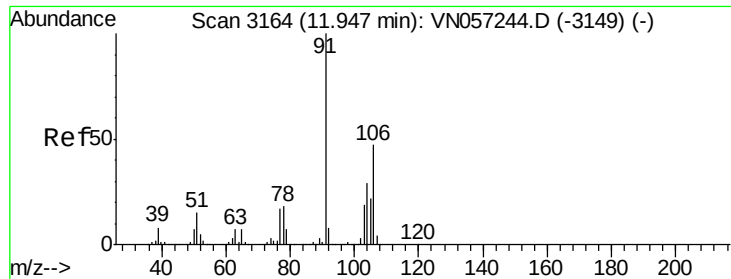
MMdadoda
8/19/2019 1:52:51 AM



#68
m/p-Xylenes
Concen: 39.027 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion: 106 Resp: 618632
Ion Ratio Lower Upper
106 100
91 198.6 161.4 242.0





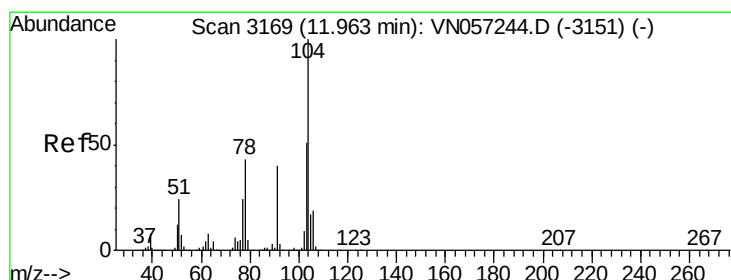
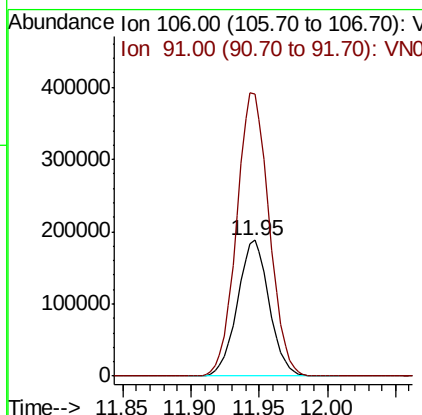
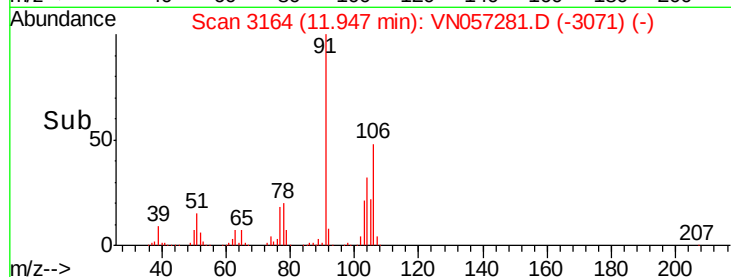
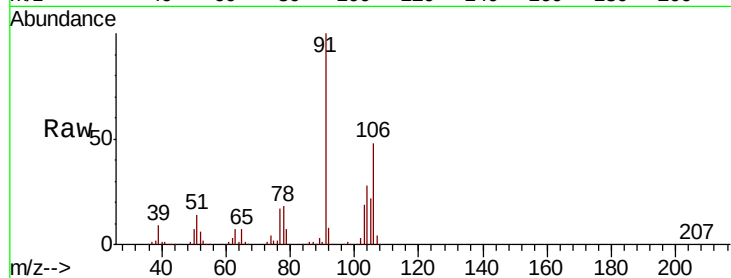
#69
o-Xylene
Concen: 19.564 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD01

Tgt Ion:106 Resp: 303637
Ion Ratio Lower Upper
106 100
91 213.6 106.5 319.4

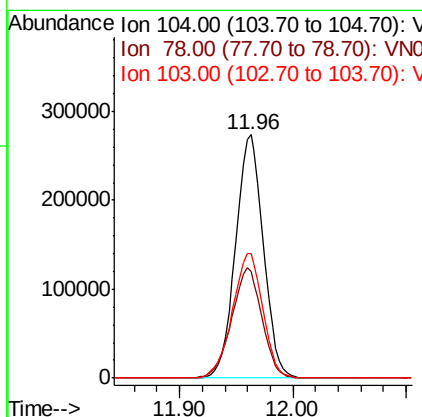
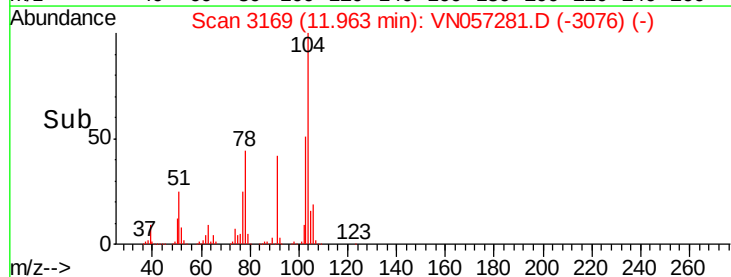
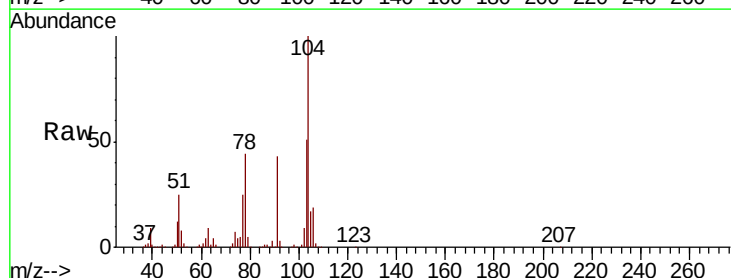
Manual Integrations
APPROVED

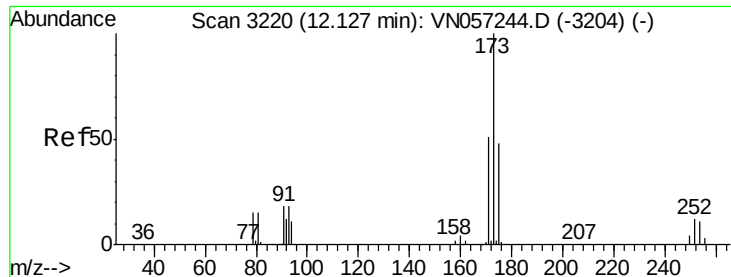
MMdadoda
8/19/2019 1:52:51 AM



#70
Styrene
Concen: 19.473 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057281.D
Acq: 14 Aug 2019 12:31

Tgt Ion:104 Resp: 467930
Ion Ratio Lower Upper
104 100
78 49.4 38.6 57.8
103 55.9 43.9 65.9





#71

Bromoform

Concen: 19.335 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

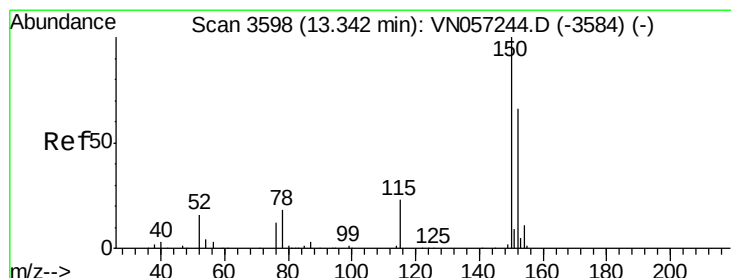
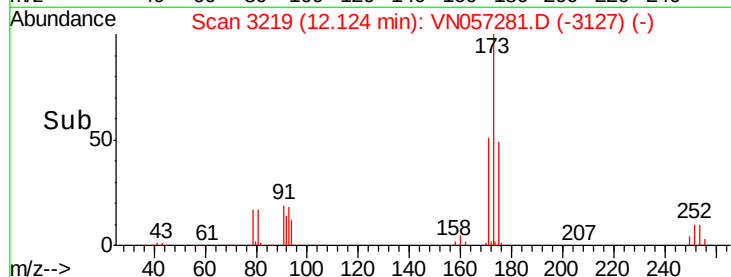
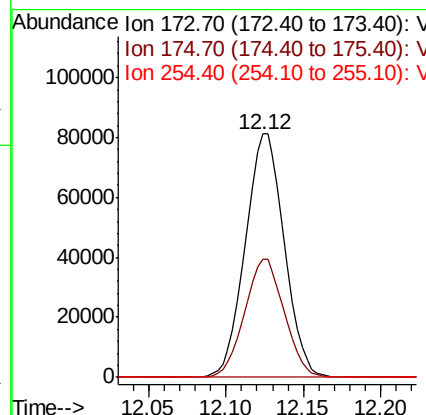
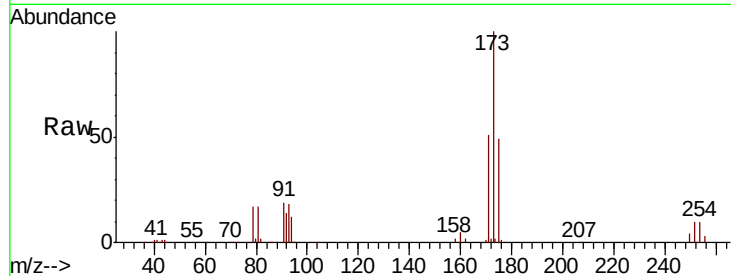
ClientSampleId :

VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.0	0.2	0.2

Manual Integrations
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8/19/2019 1:52:51 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

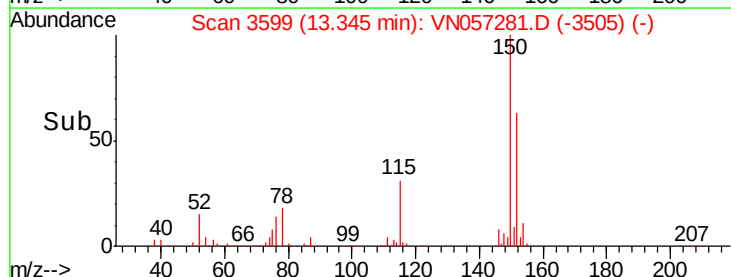
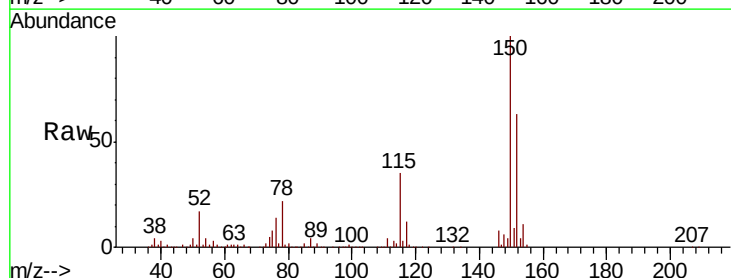
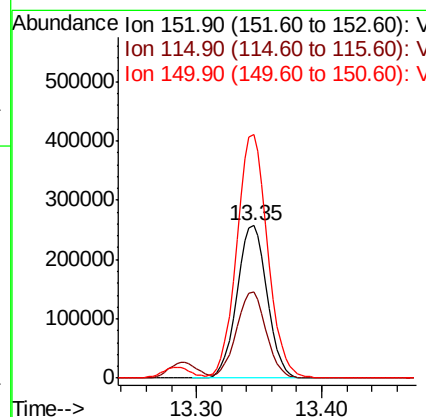
RT: 13.35 min Scan# 3599

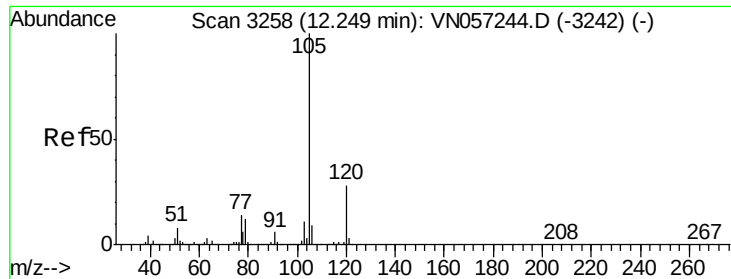
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	163.6	0.0	348.4





#73

Isopropylbenzene

Concen: 22.923 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 105 Resp: 809499

Ion Ratio Lower Upper

105 100

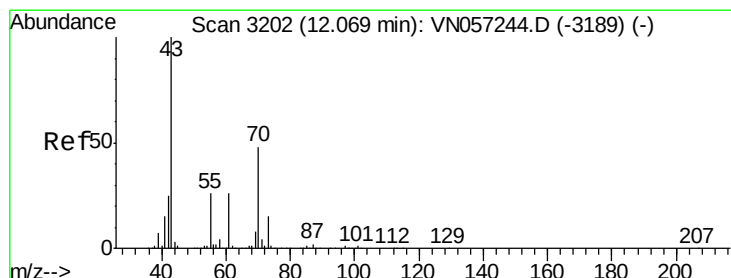
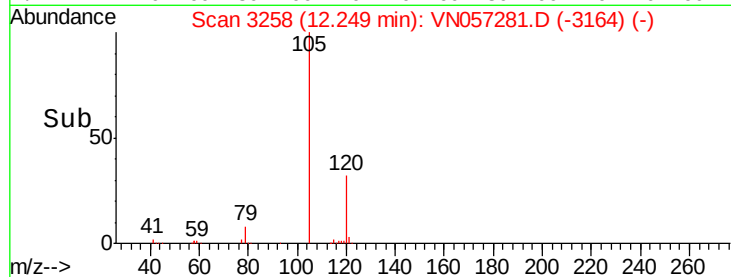
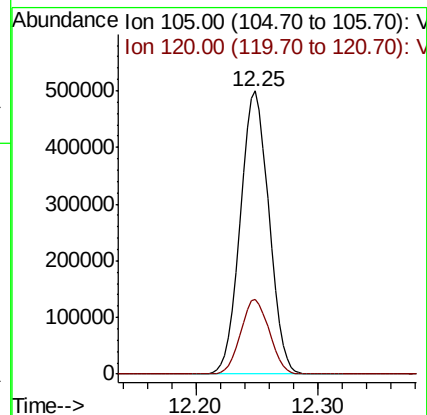
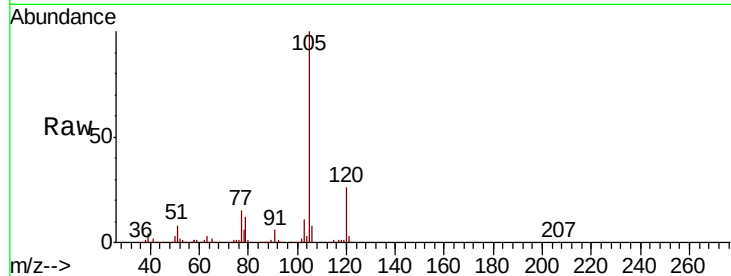
120 26.3 13.8 41.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 23.506 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion: 43 Resp: 242262

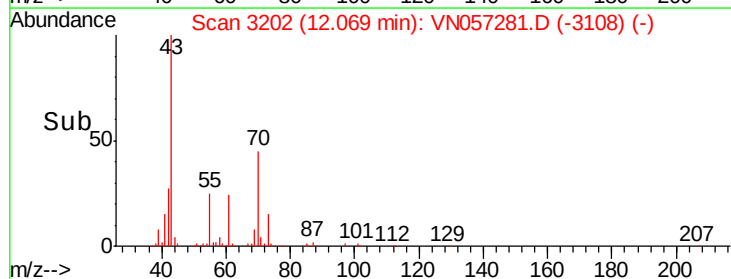
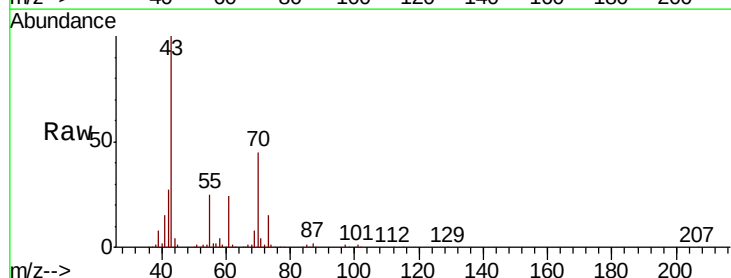
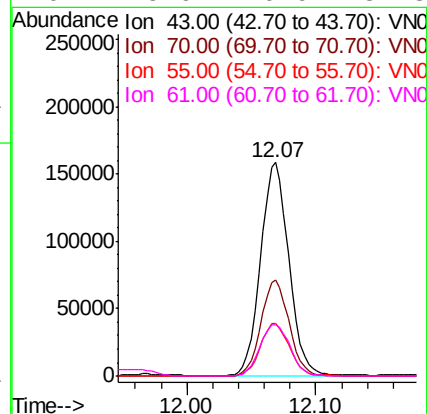
Ion Ratio Lower Upper

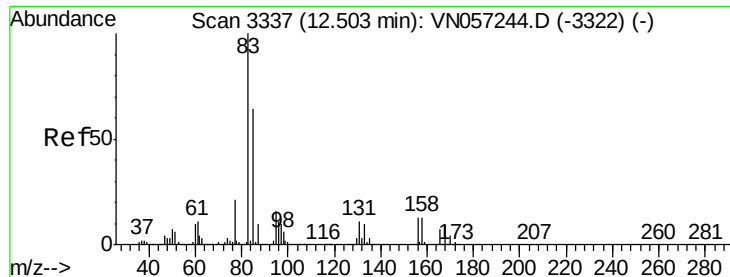
43 100

70 44.7 37.4 56.2

55 25.4 21.0 31.4

61 25.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 24.303 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

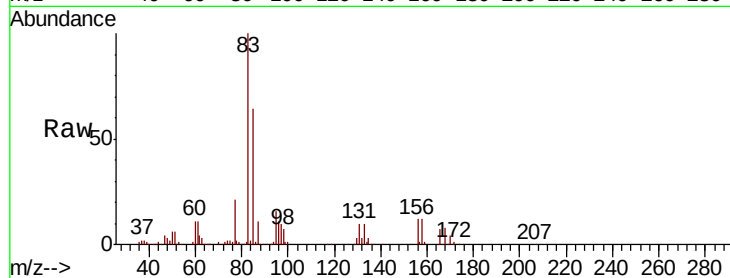
ClientSampleId :

VN0814WBSD01

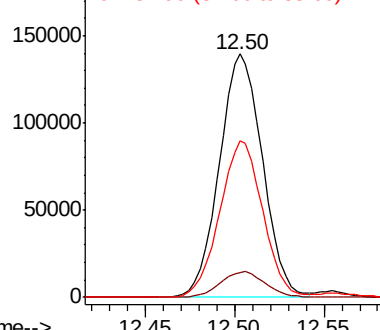
Tgt Ion:	83	Resp:	236410
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.0	32.3	96.8

Manual Integrations
APPROVED

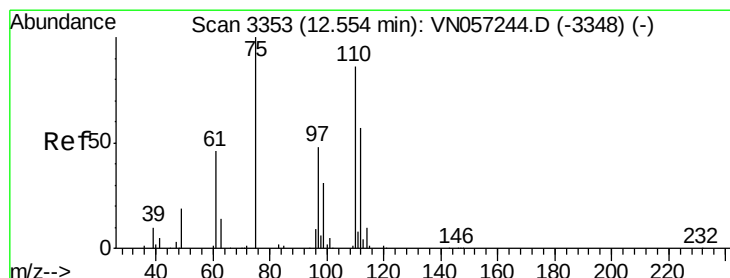
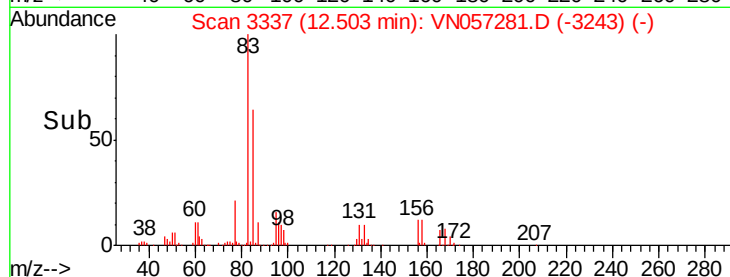
MMDadoda
8/19/2019 1:52:51 AM



Abundance Ion 82.90 (82.60 to 83.60): VN057281.D (-3243) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 23.607 ug/l m

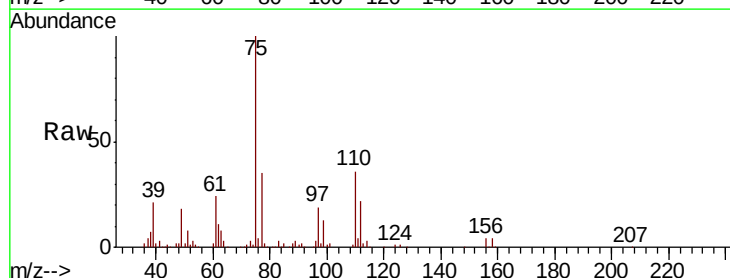
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

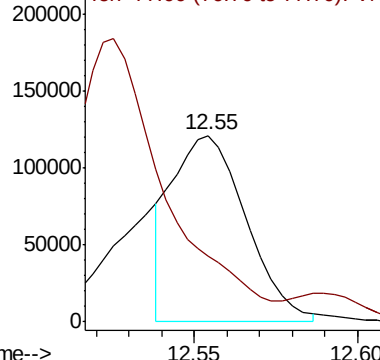
Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

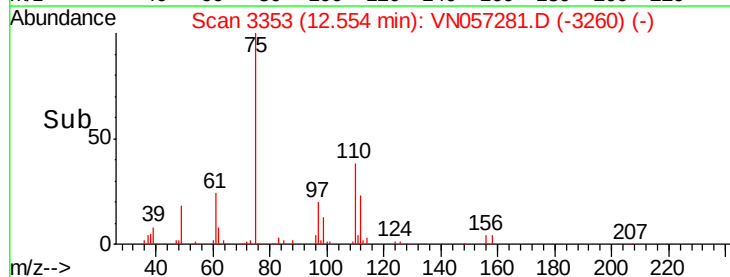
Tgt Ion:	75	Resp:	190653
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

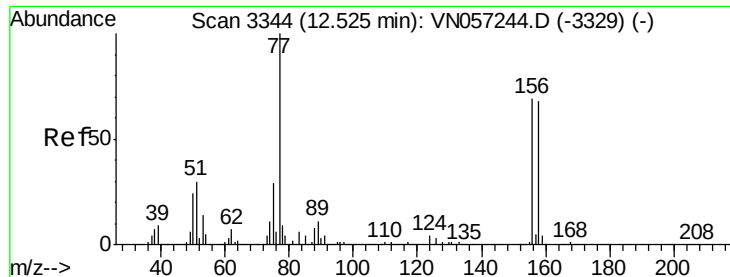


Abundance Ion 74.90 (74.60 to 75.60): VN057281.D (-3260) (-)



Time-->





#77

Bromobenzene

Concen: 22.232 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

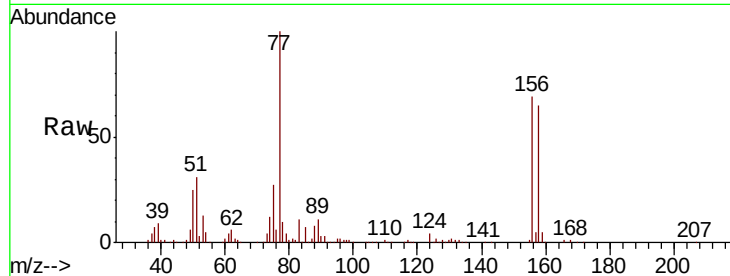
ClientSampleId :

VN0814WBSD01

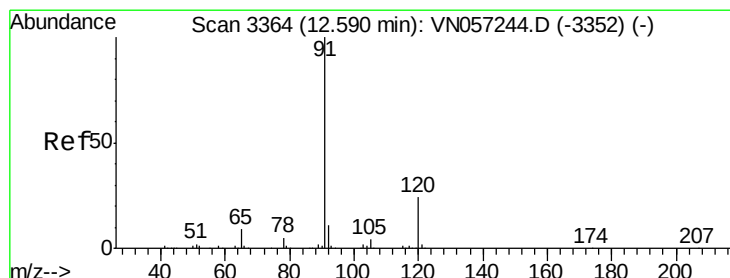
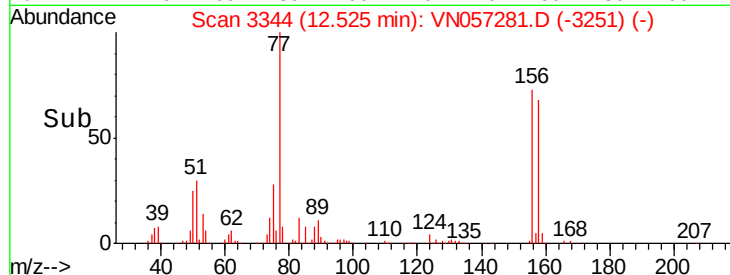
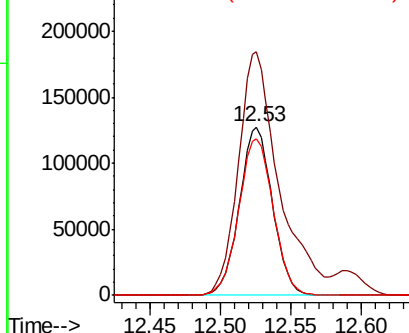
Tgt Ion:	156	Resp:	209657
Ion Ratio	Lower	Upper	
156	100		
77	178.1	88.0	264.1
158	97.2	49.4	148.0

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.327 ug/l

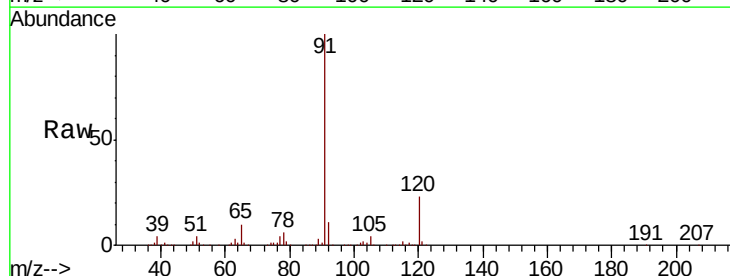
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

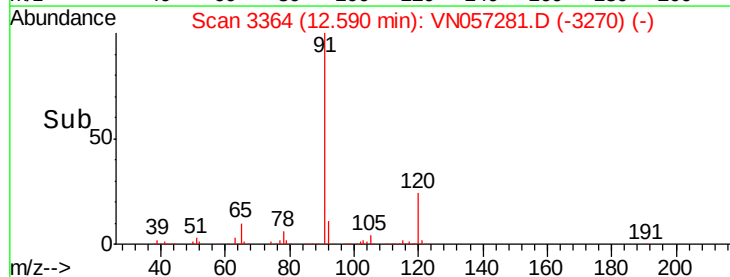
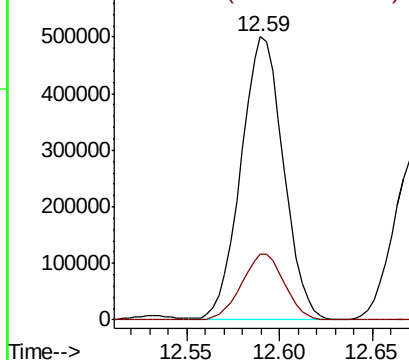
Lab File: VN057281.D

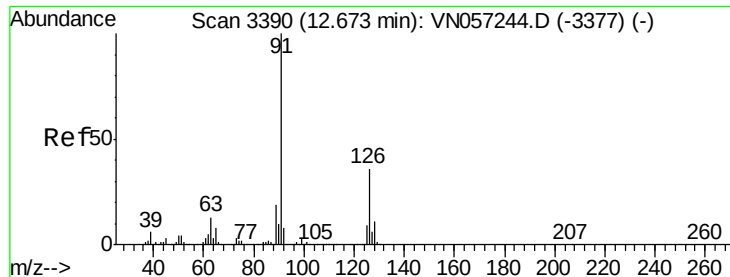
Acq: 14 Aug 2019 12:31

Tgt Ion:	91	Resp:	790550
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.1	36.3



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





#79

2-Chlorotoluene

Concen: 22.408 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion: 91 Resp: 513463

Ion Ratio Lower Upper

91 100

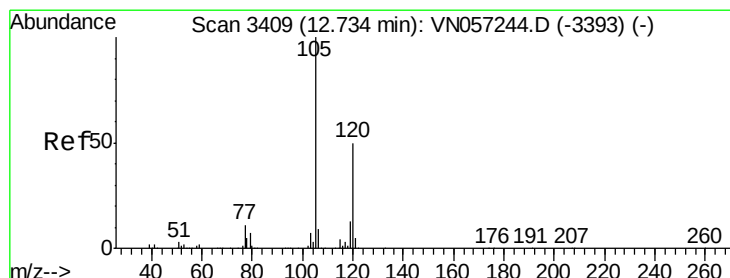
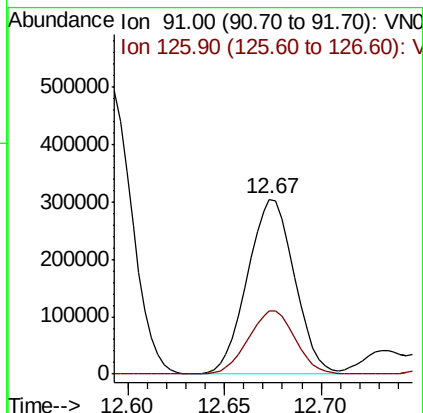
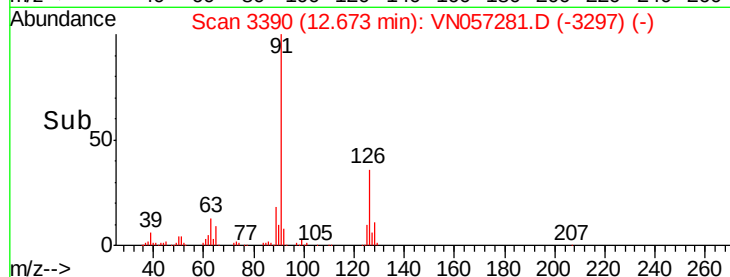
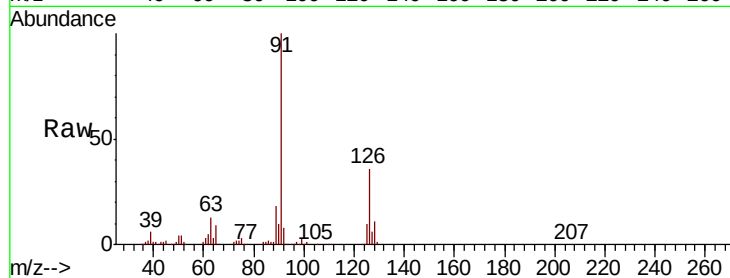
126 36.0 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 22.086 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057281.D

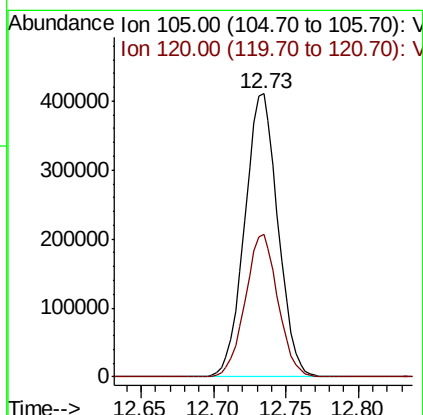
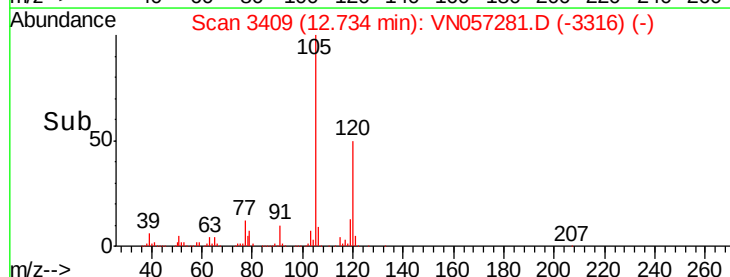
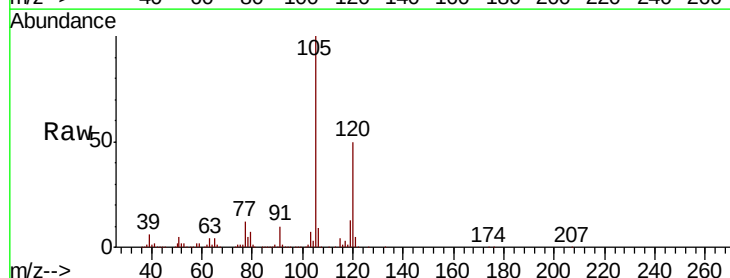
Acq: 14 Aug 2019 12:31

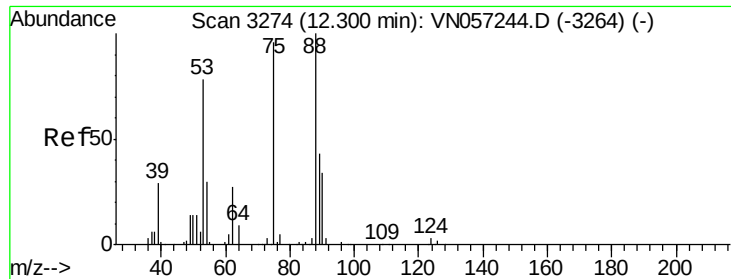
Tgt Ion: 105 Resp: 652869

Ion Ratio Lower Upper

105 100

120 49.5 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 21.559 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

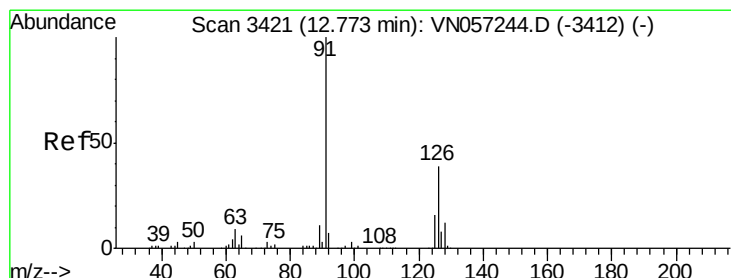
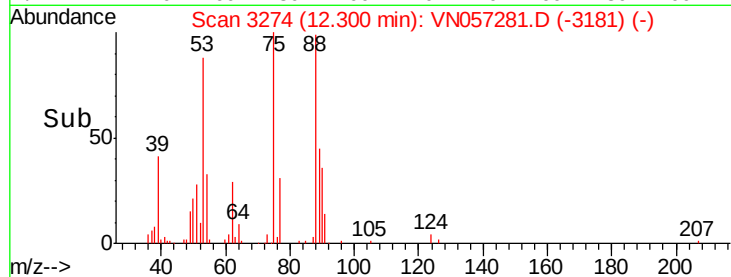
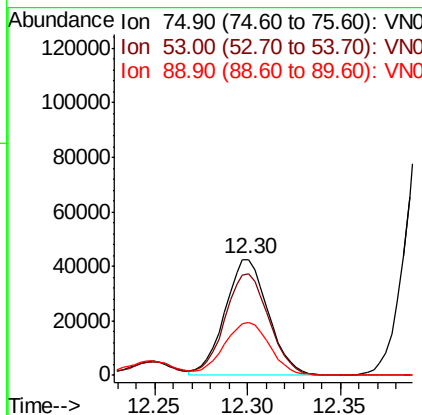
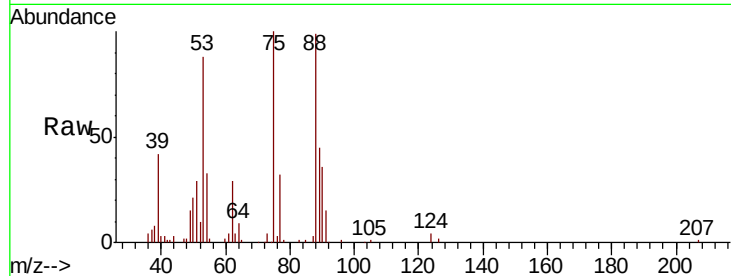
ClientSampleId :

VN0814WBSD01

Tgt Ion:	75	Resp:	68749
Ion	Ratio	Lower	Upper
75	100		
53	89.3	65.8	98.6
89	48.8	36.7	55.1

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#82

4-Chlorotoluene

Concen: 19.980 ug/l

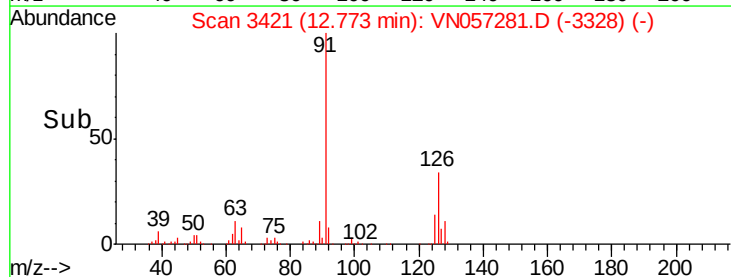
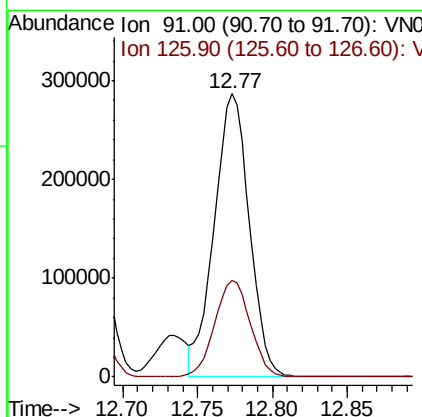
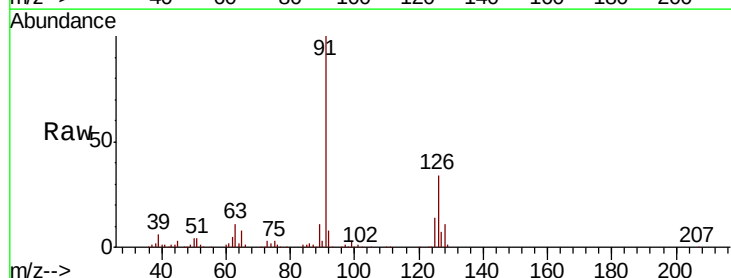
RT: 12.77 min Scan# 3421

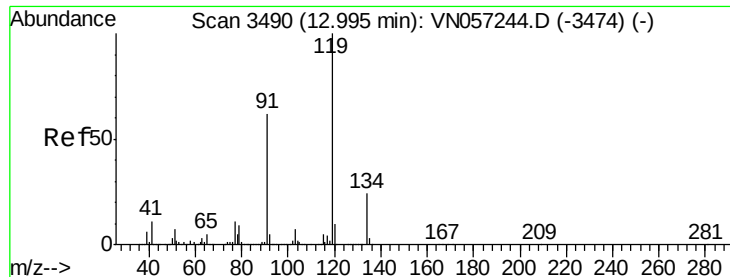
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	91	Resp:	466743
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.9	53.7





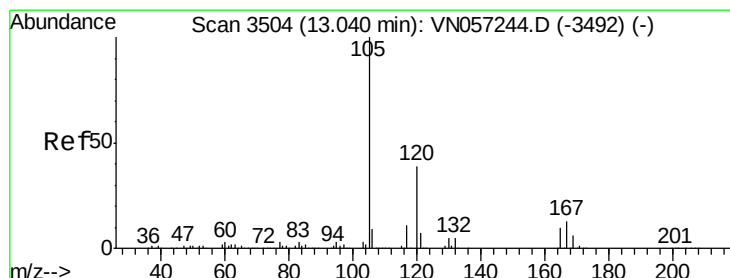
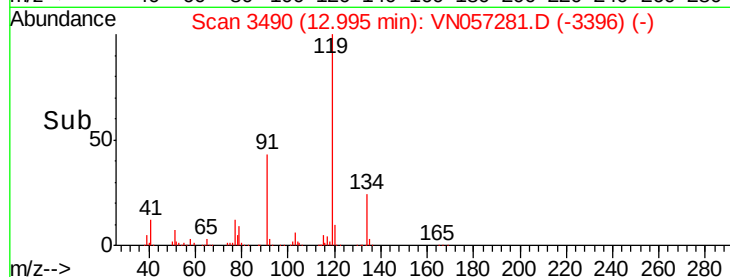
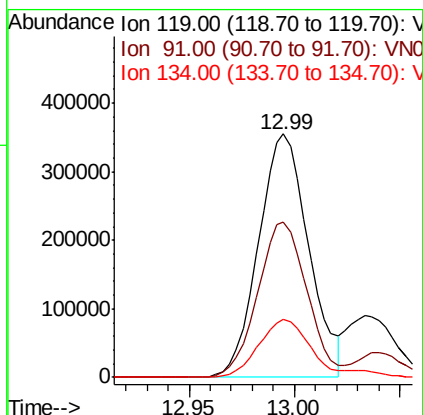
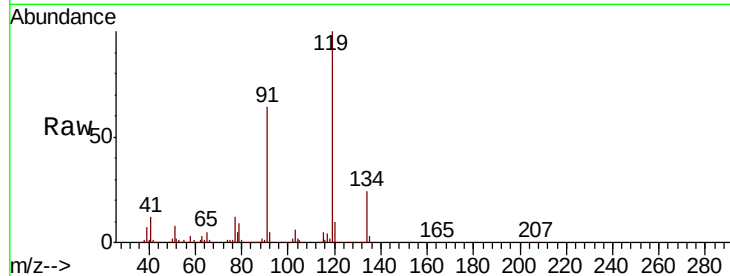
#83
 tert-Butylbenzene
 Concen: 22.094 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	587367		
91	63.1	30.8	92.3	
134	24.1	12.9	38.7	

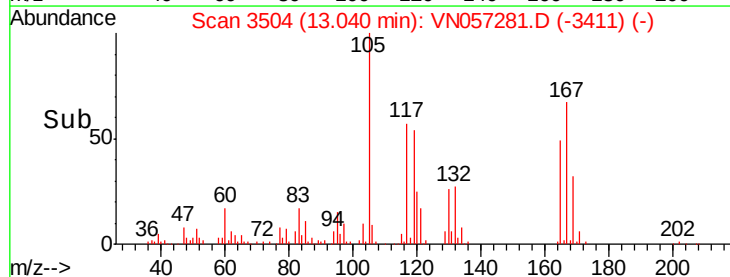
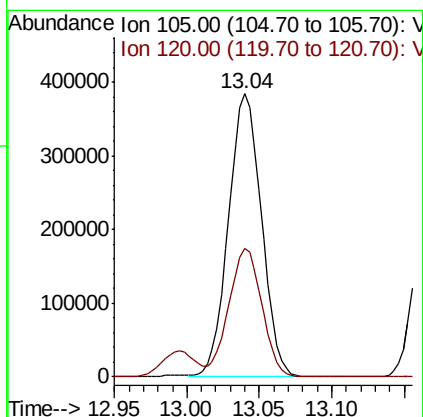
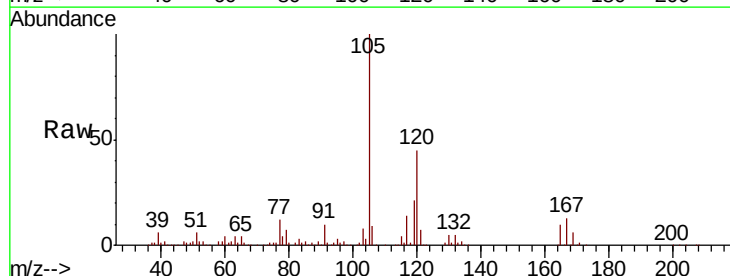
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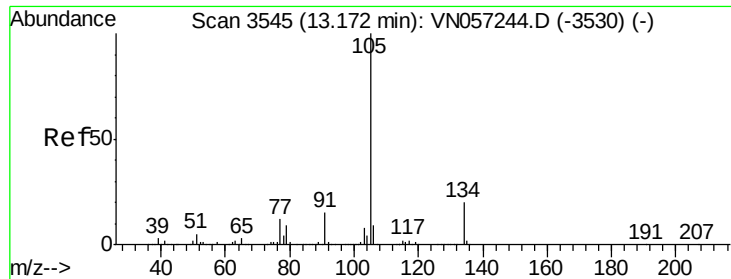
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.098 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	606222		
120	45.8	23.2	69.5	





#85

sec-Butylbenzene

Concen: 21.044 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD01

Tgt Ion:105 Resp: 690738

Ion Ratio Lower Upper

105 100

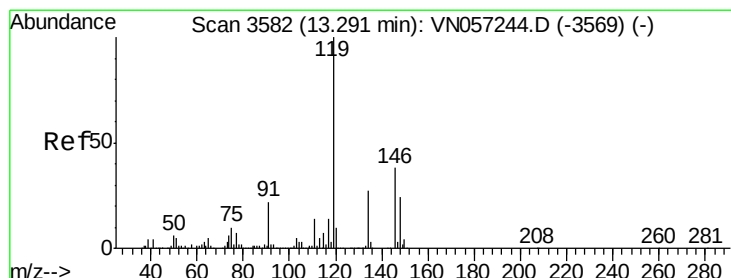
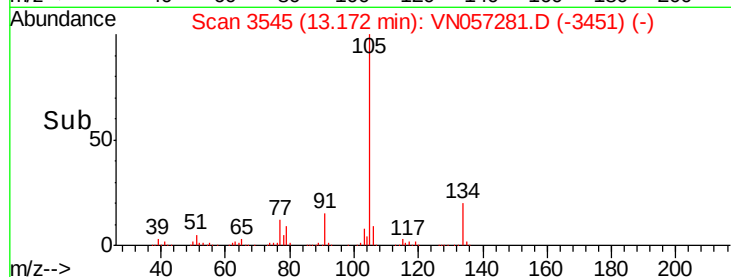
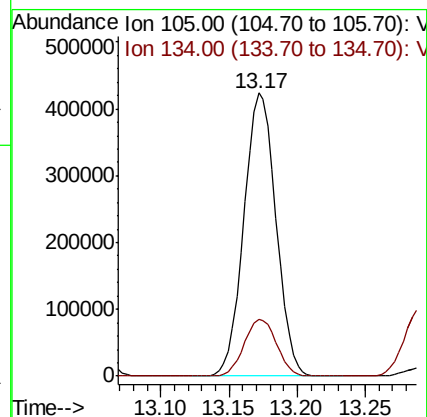
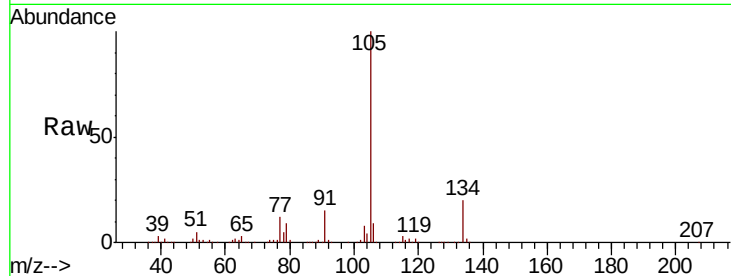
134 20.3 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 18.889 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

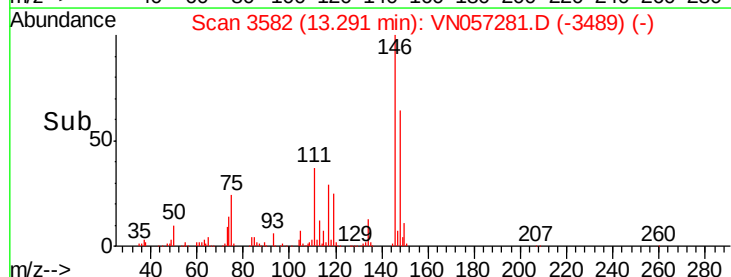
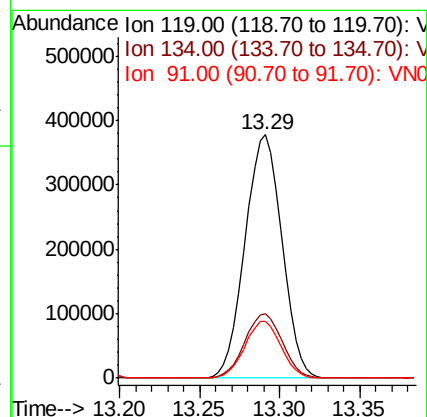
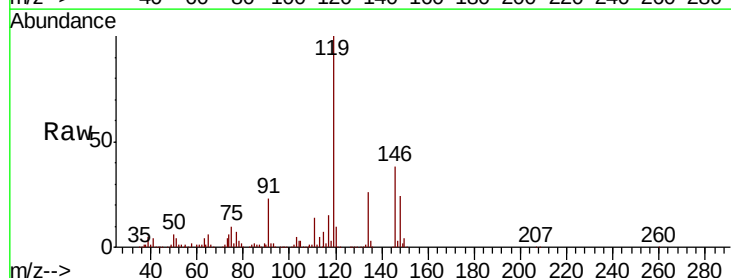
Tgt Ion:119 Resp: 594950

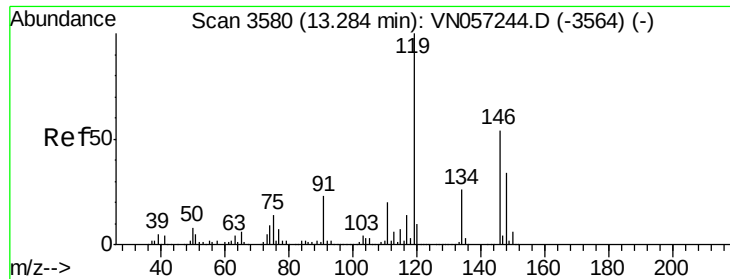
Ion Ratio Lower Upper

119 100

134 26.7 13.5 40.5

91 22.7 11.1 33.3





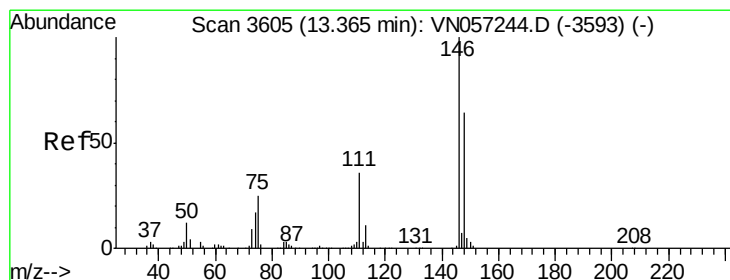
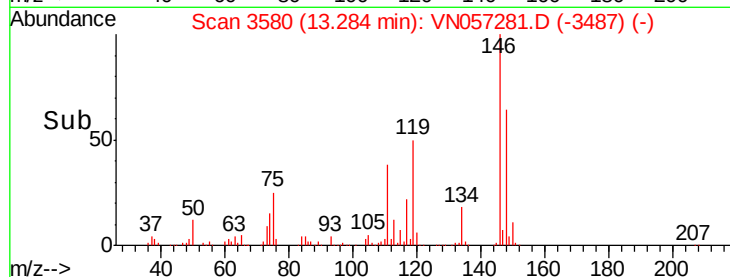
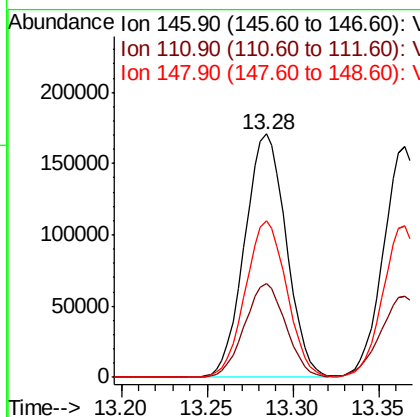
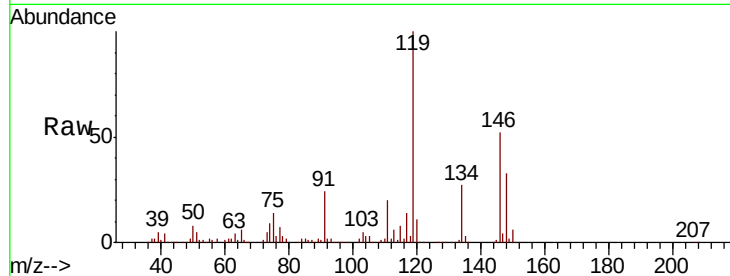
#87
 1,3-Dichlorobenzene
 Concen: 19.324 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.8	56.4
148	63.9	32.1	96.5

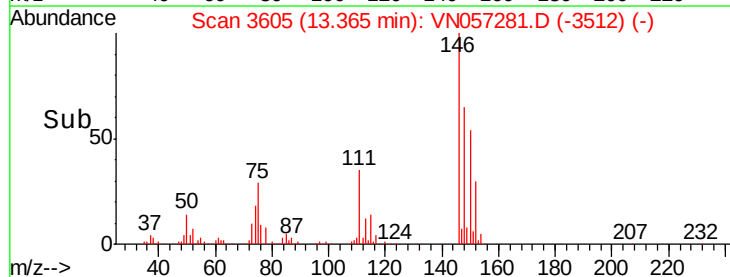
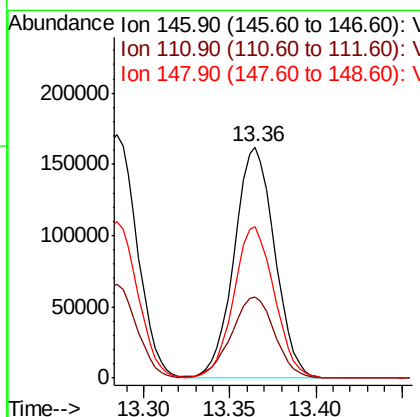
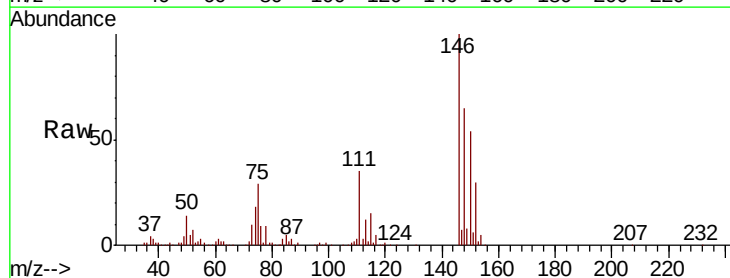
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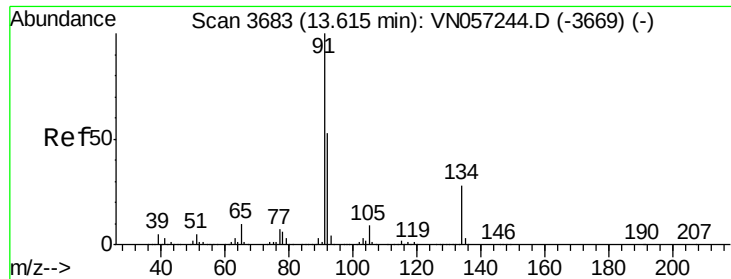
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#88
 1,4-Dichlorobenzene
 Concen: 18.429 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.3	54.8
148	66.0	32.0	96.0





#89

n-Butylbenzene

Concen: 20.005 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

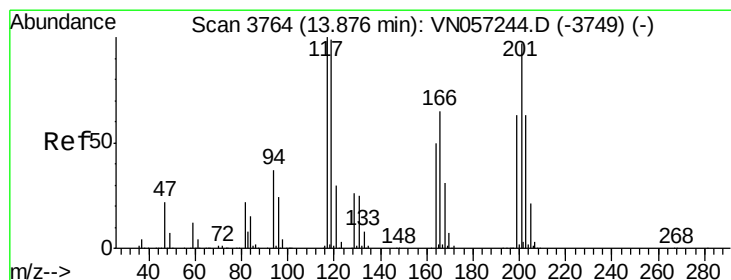
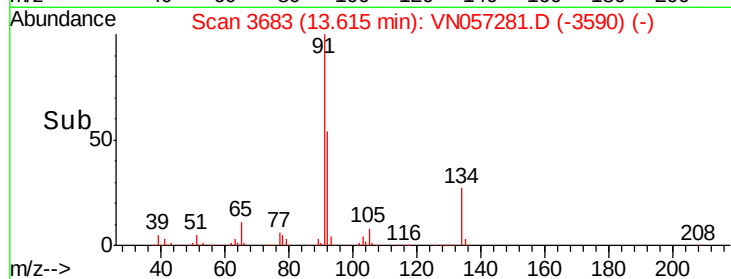
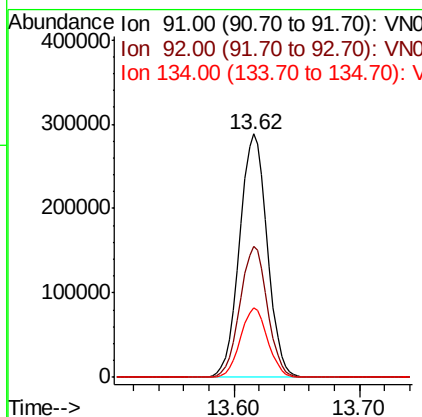
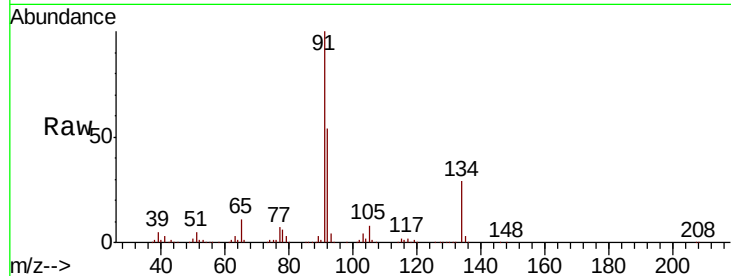
ClientSampleId :

VN0814WBSD01

Tgt Ion:	91	Resp:	441960
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.3	78.9
134	28.0	14.1	42.3

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#90

Hexachloroethane

Concen: 22.074 ug/l

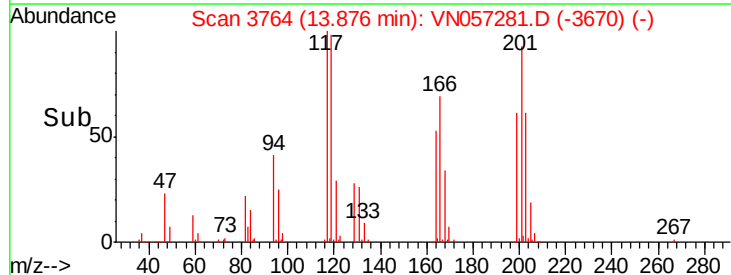
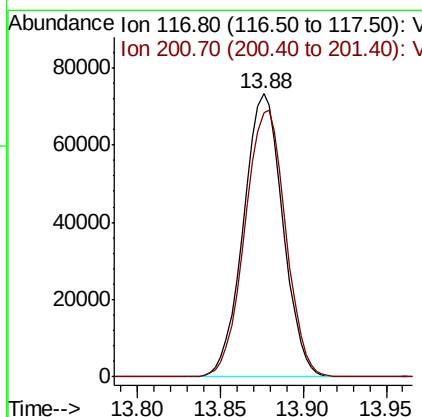
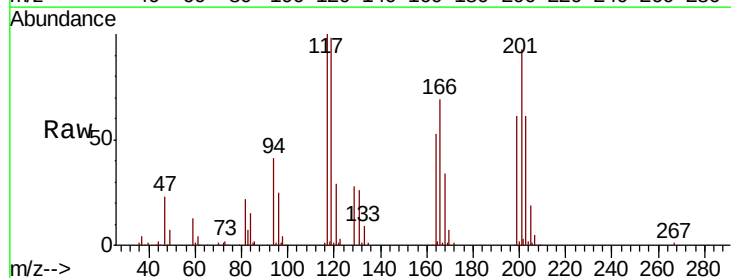
RT: 13.88 min Scan# 3764

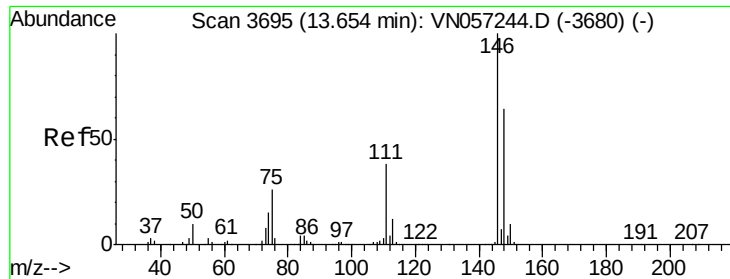
Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	117	Resp:	120947
Ion	Ratio	Lower	Upper
117	100		
201	97.5	49.5	148.5





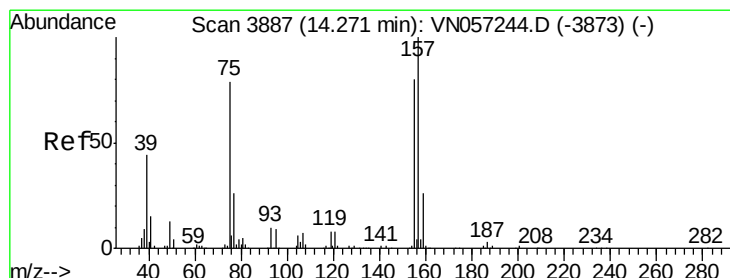
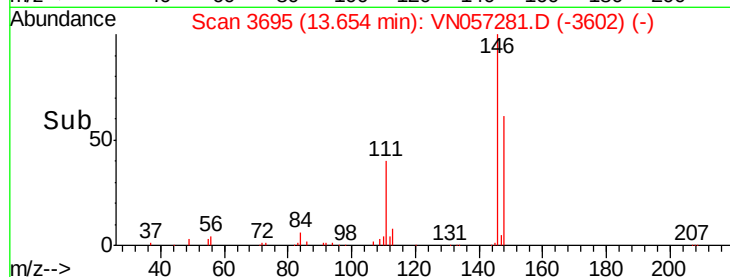
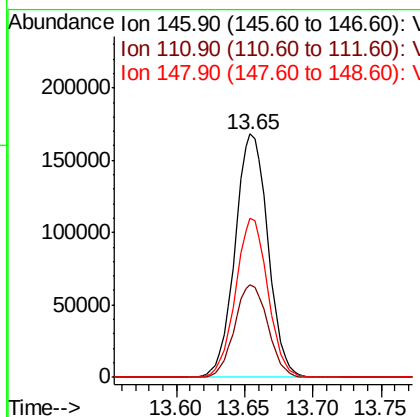
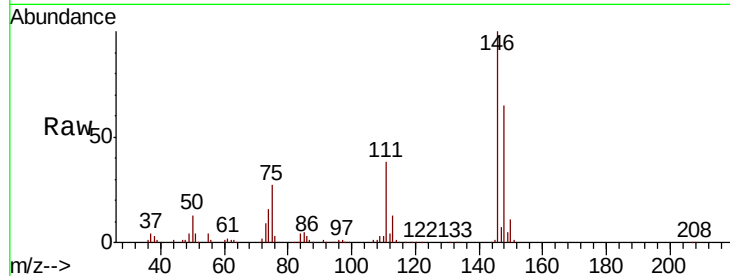
#91
 1,2-Dichlorobenzene
 Concen: 19.412 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	280841		
111	38.6	19.3	57.9	
148	64.2	31.9	95.5	

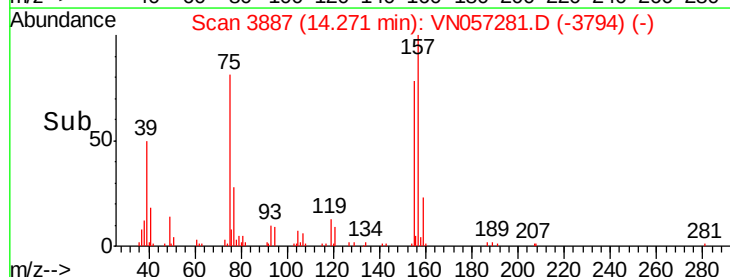
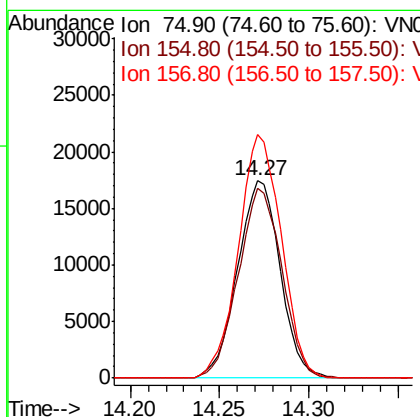
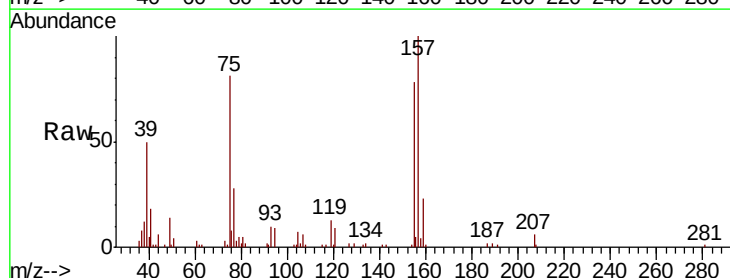
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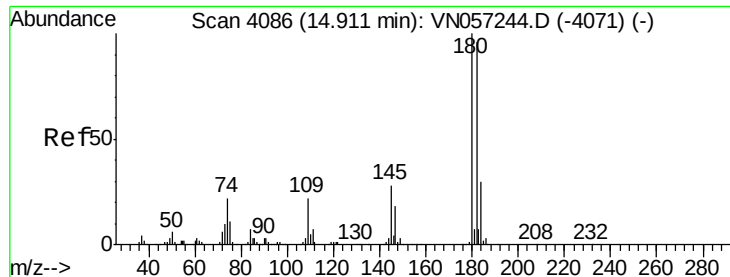
MMdadoda
 8/19/2019 1:52:51 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.327 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	29083		
155	98.2	50.3	151.0	
157	123.8	65.3	195.9	





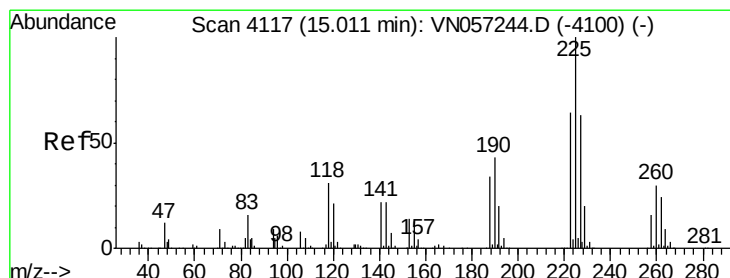
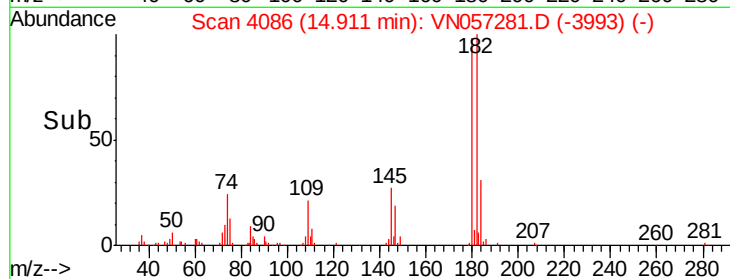
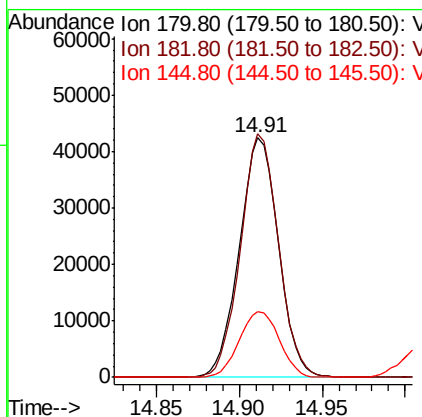
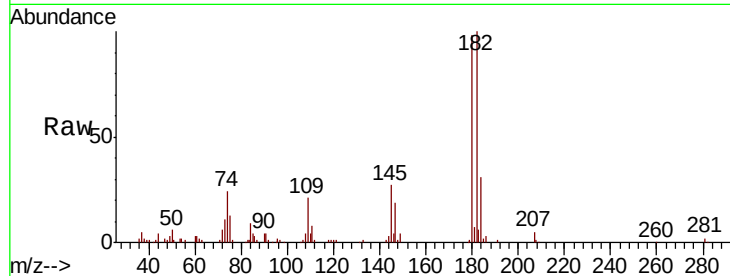
#93
 1,2,4-Trichlorobenzene
 Concen: 14.793 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	69625		
182	98.3	47.7	143.1	
145	28.1	14.2	42.6	

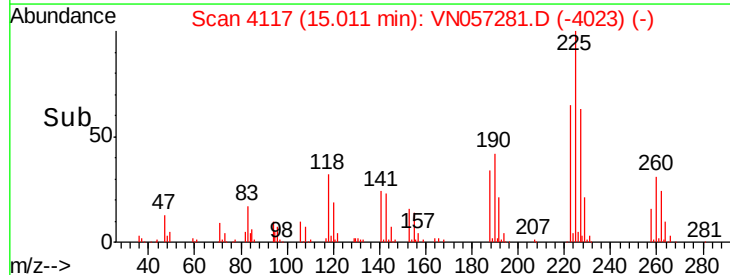
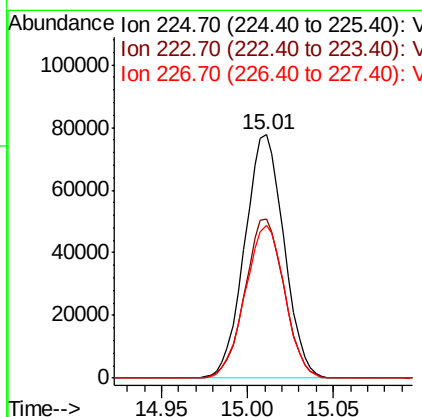
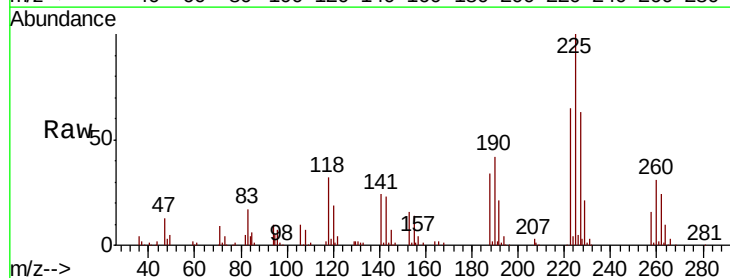
Manual Integrations
 APPROVED

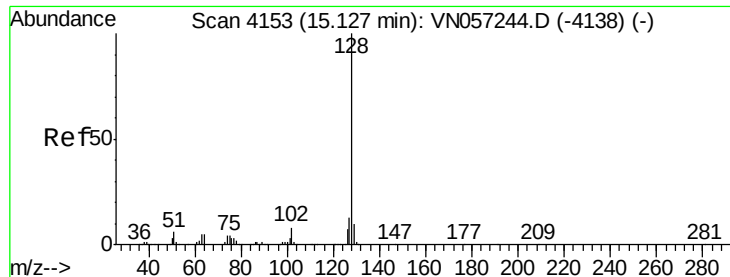
MMdadoda
 8/19/2019 1:52:51 AM



#94
 Hexachlorobutadiene
 Concen: 19.862 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057281.D
 Acq: 14 Aug 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	122937		
223	65.2	31.4	94.2	
227	63.2	31.4	94.3	





#95

Naphthalene

Concen: 18.015 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Instrument :

MSVOA_N

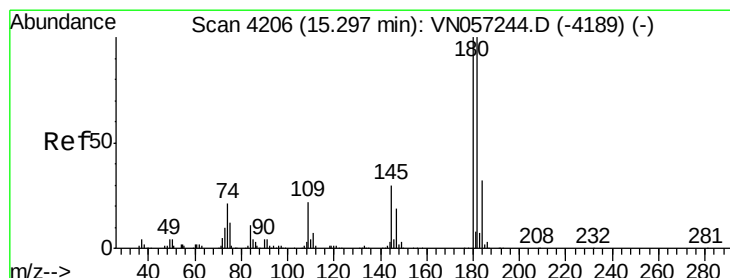
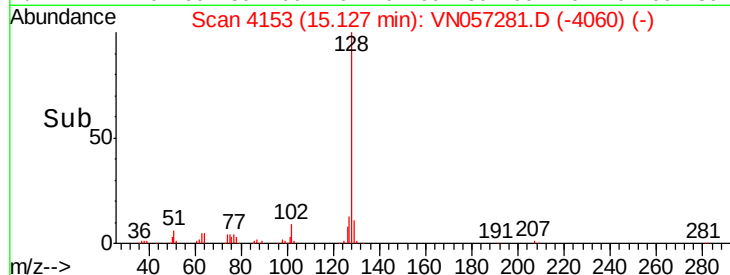
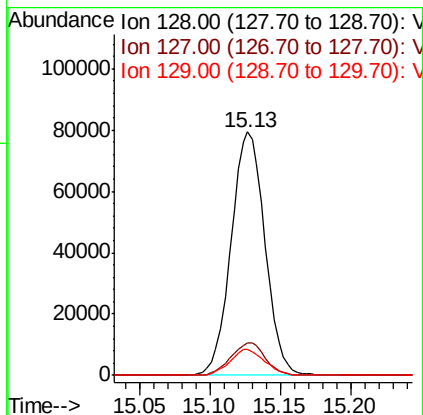
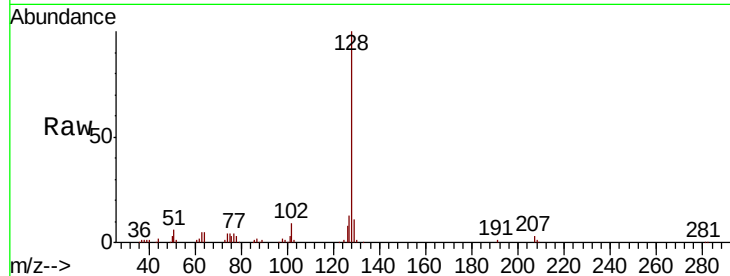
ClientSampleId :

VN0814WBSD01

Tgt Ion:	128	Resp:	132936
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.4	15.6
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:52:51 AM



#96

1,2,3-Trichlorobenzene

Concen: 16.620 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057281.D

Acq: 14 Aug 2019 12:31

Tgt Ion:	180	Resp:	68526
Ion Ratio	Lower	Upper	
180	100		
182	97.9	48.9	146.7
145	30.5	15.0	45.1

