

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057519.D
 Acq On : 26 Aug 2019 19:05
 Operator : JC/SP
 Sample : VN0826WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:45 PM

Quant Time: Aug 27 07:42:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	335364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	620900	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	560003	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	185173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	317760	53.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.72%	
35) Dibromofluoromethane	7.57	113	205953	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.08	98	827407	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
62) 4-Bromofluorobenzene	12.40	95	261215	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	76099	19.229	ug/l	98
3) Chloromethane	2.05	50	104978	18.573	ug/l	98
4) Vinyl Chloride	2.17	62	134516	19.552	ug/l	98
5) Bromomethane	2.55	94	84021	19.817	ug/l	98
6) Chloroethane	2.69	64	83065	18.770	ug/l	97
7) Trichlorofluoromethane	3.00	101	205678	19.260	ug/l	98
8) Diethyl Ether	3.39	74	76223	20.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	110268	20.109	ug/l	97
10) Methyl Iodide	3.92	142	79012	18.120	ug/l	100
11) Tert butyl alcohol	4.79	59	68740	93.780	ug/l #	94
12) 1,1-Dichloroethene	3.71	96	106929	18.732	ug/l	97
13) Acrolein	3.58	56	63697	98.827	ug/l	98
14) Allyl chloride	4.29	41	141498	18.739	ug/l	98
15) Acrylonitrile	4.97	53	190592	96.418	ug/l	98
16) Acetone	3.80	43	181333	66.931	ug/l	99
17) Carbon Disulfide	4.02	76	178498	16.393	ug/l	98
18) Methyl Acetate	4.30	43	121365	20.189	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	248818	18.057	ug/l	100
20) Methylene Chloride	4.52	84	81383	20.216	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	69565	17.270	ug/l	95
22) Diisopropyl ether	5.93	45	311590	19.239	ug/l	96
23) Vinyl Acetate	5.87	43	1149517	90.870	ug/l	99
24) 1,1-Dichloroethane	5.83	63	163249	19.019	ug/l	99
25) 2-Butanone	6.82	43	271184	92.179	ug/l	98
26) 2,2-Dichloropropane	6.80	77	122495	16.480	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	88831	18.603	ug/l	99
28) Bromochloromethane	7.18	49	101810	22.026	ug/l	97
29) Tetrahydrofuran	7.20	42	180210	92.897	ug/l	99
30) Chloroform	7.36	83	159746	20.103	ug/l	100
31) Cyclohexane	7.63	56	163269	19.702	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	134926	18.325	ug/l	98
36) 1,1-Dichloropropene	7.78	75	116515	18.365	ug/l	99
37) Ethyl Acetate	6.92	43	118249	18.862	ug/l	98
38) Carbon Tetrachloride	7.76	117	106606	16.914	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	137795	18.288	ug/l	97
40) Benzene	8.03	78	350877	18.426	ug/l	97
41) Methacrylonitrile	7.15	41	46865	15.677	ug/l	90
42) 1,2-Dichloroethane	8.11	62	138543	18.896	ug/l	98
43) Isopropyl Acetate	8.16	43	209161	18.196	ug/l	100
44) Trichloroethene	8.83	130	78336	18.429	ug/l	94
45) 1,2-Dichloropropane	9.11	63	100709	18.779	ug/l	94
46) Dibromomethane	9.20	93	63105	19.850	ug/l	100
47) Bromodichloromethane	9.40	83	127188	17.977	ug/l	97
48) Methyl methacrylate	9.19	41	101264	18.526	ug/l	98
49) 1,4-Dioxane	9.20	88	26519	375.170	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	607379	94.808	ug/l	99
52) Toluene	10.15	92	211720	19.291	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	127056	17.145	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141820	17.188	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	83051	18.712	ug/l	97
56) Ethyl methacrylate	10.43	69	129428	18.538	ug/l	98
57) 1,3-Dichloropropane	10.70	76	146642	18.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	202448	114.073	ug/l	98
59) 2-Hexanone	10.75	43	407562	92.753	ug/l	99
60) Dibromochloromethane	10.90	129	81564	17.390	ug/l	99
61) 1,2-Dibromoethane	11.00	107	80847	18.572	ug/l	96
64) Tetrachloroethene	10.63	164	73536	18.769	ug/l	95
65) Chlorobenzene	11.43	112	204924	18.102	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	76360	17.589	ug/l	99
67) Ethyl Benzene	11.51	91	395186	18.036	ug/l	100
68) m/p-Xylenes	11.62	106	277791	37.279	ug/l	98
69) o-Xylene	11.95	106	137698	18.654	ug/l	99
70) Styrene	11.96	104	215562	18.442	ug/l	100
71) Bromoform	12.13	173	45980	15.667	ug/l #	98
73) Isopropylbenzene	12.25	105	370306	20.180	ug/l	99
74) N-amyl acetate	12.07	43	165653	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	109485	20.898	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	107332m	24.263	ug/l	
77) Bromobenzene	12.53	156	70608	18.890	ug/l	95
78) n-propylbenzene	12.59	91	400094	19.748	ug/l	98
79) 2-Chlorotoluene	12.67	91	235639	19.375	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	299707	20.152	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28393	14.881	ug/l	86
82) 4-Chlorotoluene	12.77	91	225160	19.243	ug/l	98
83) tert-Butylbenzene	12.99	119	250806	19.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	276293	19.192	ug/l	99
85) sec-Butylbenzene	13.17	105	325688	19.683	ug/l	100
86) p-Isopropyltoluene	13.29	119	271568	18.762	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110015	18.393	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	101641	17.352	ug/l	94
89) n-Butylbenzene	13.62	91	218658	17.852	ug/l	99
90) Hexachloroethane	13.88	117	52080	16.876	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	106267	18.611	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16244	18.039	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	27679	16.066	ug/l	96
94) Hexachlorobutadiene	15.01	225	29715	18.388	ug/l	99
95) Naphthalene	15.13	128	93905	15.980	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	27229	15.704	ug/l	96

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

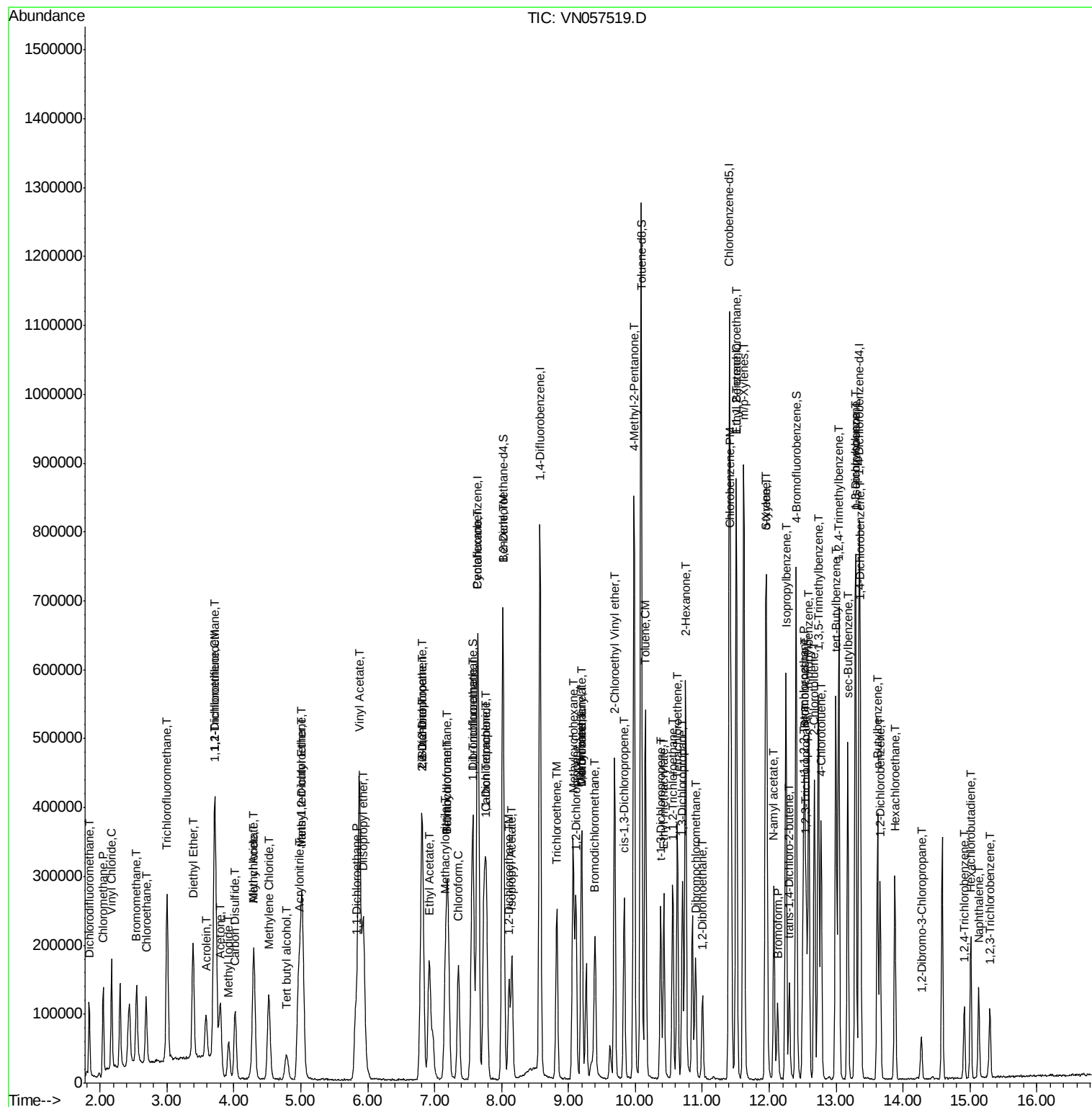
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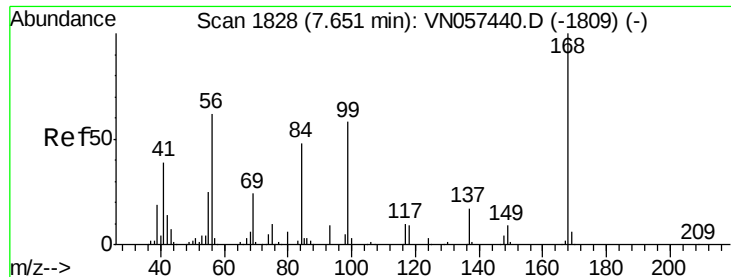
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion:168 Resp: 335364

Ion Ratio Lower Upper

168 100

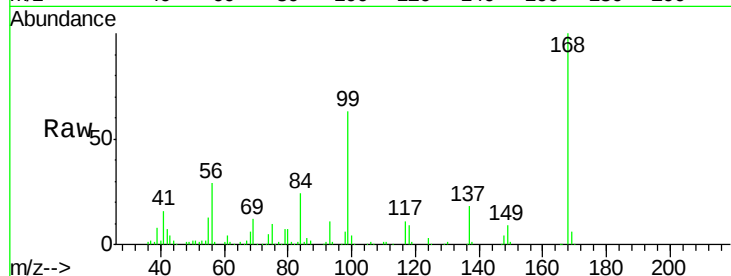
99 63.0 50.6 76.0

Manual Integrations

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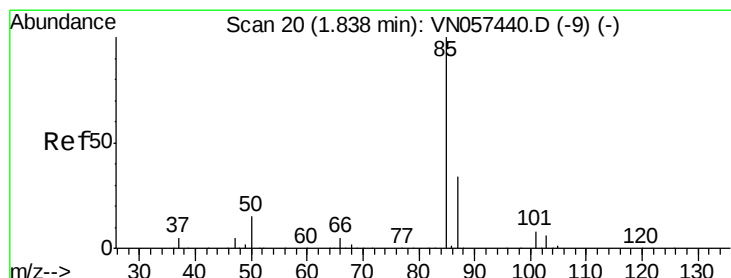
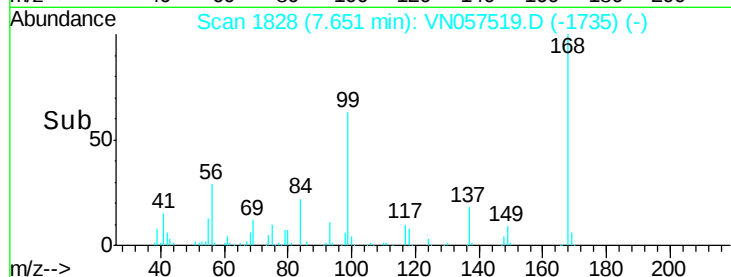
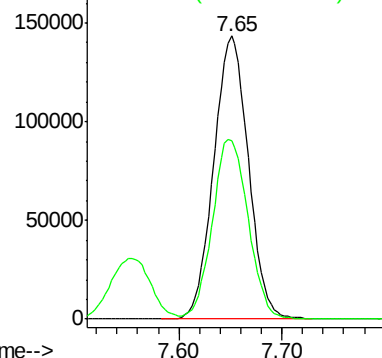
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.229 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057519.D

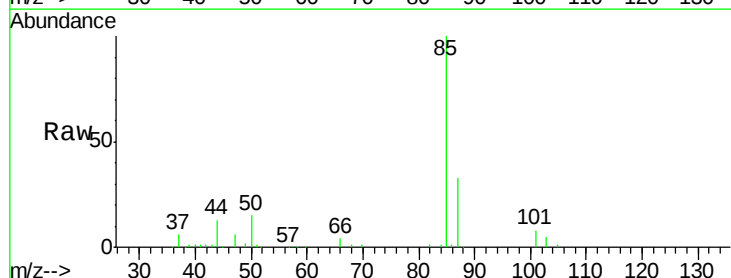
Acq: 26 Aug 2019 19:05

Tgt Ion: 85 Resp: 76099

Ion Ratio Lower Upper

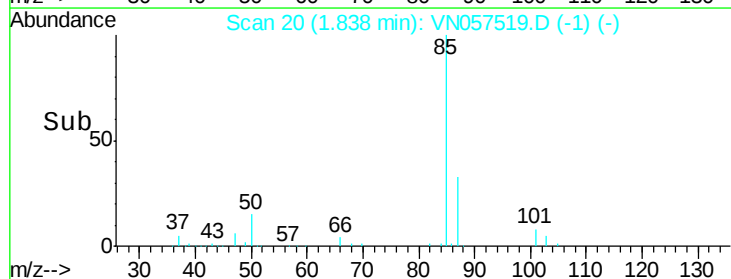
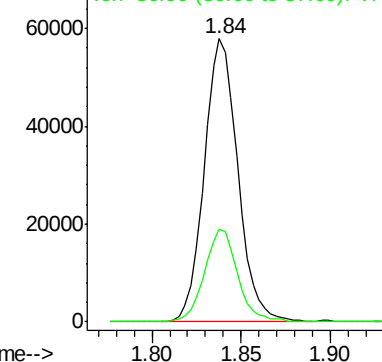
85 100

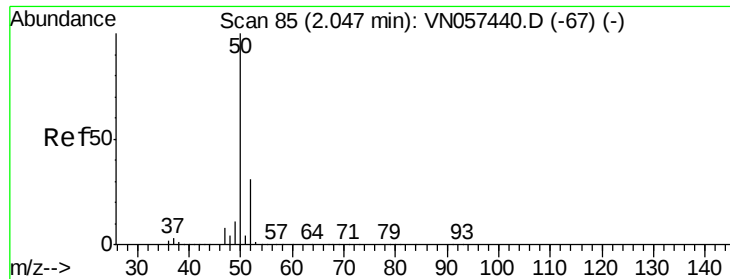
87 32.8 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.573 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 50 Resp: 104978

Ion Ratio Lower Upper

50 100

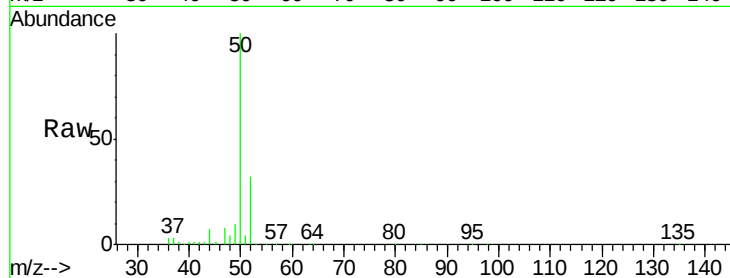
52 32.3 25.1 37.7

Manual Integrations

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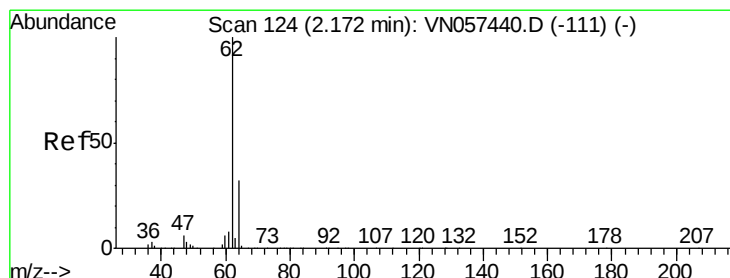
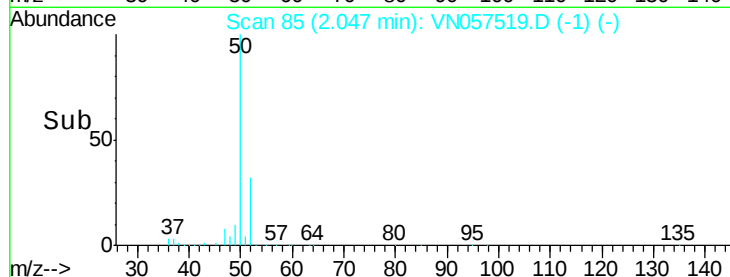
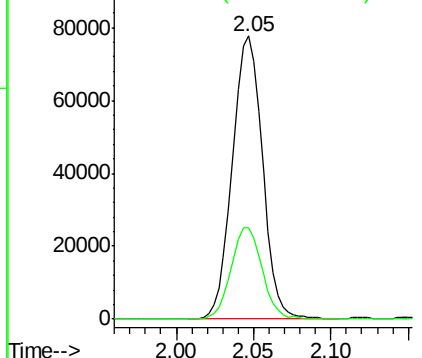
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.552 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057519.D

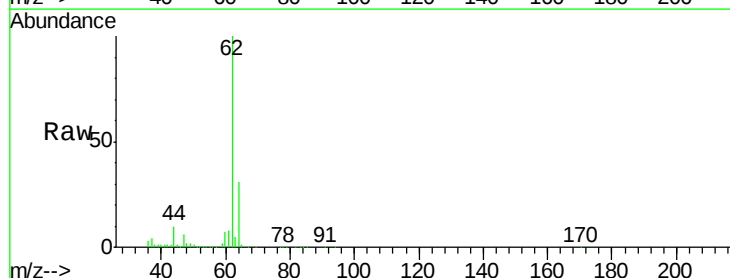
Acq: 26 Aug 2019 19:05

Tgt Ion: 62 Resp: 134516

Ion Ratio Lower Upper

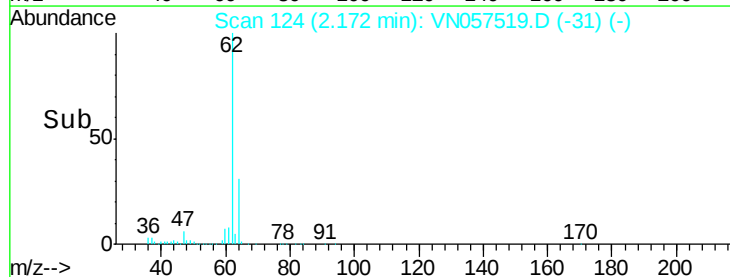
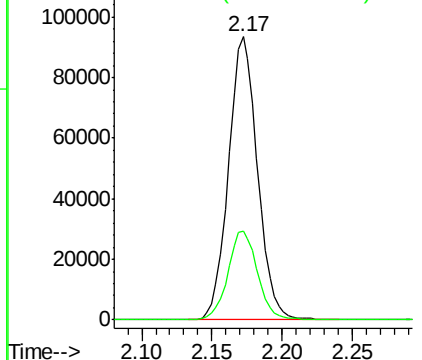
62 100

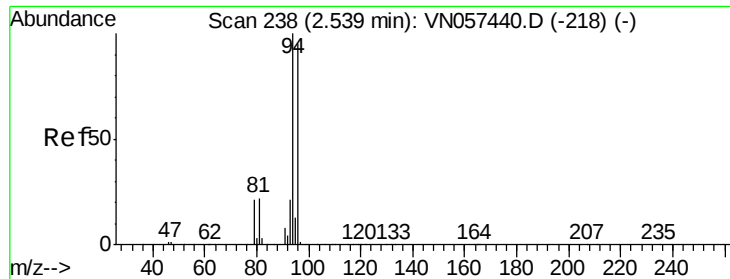
64 31.4 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.817 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057519.D

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Tot Ion: 94 Resp: 84021

Ion Ratio Lower Upper

94 100

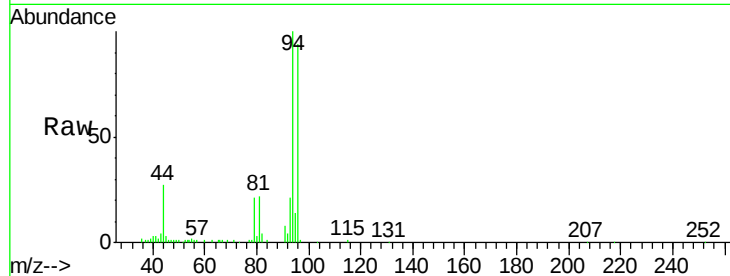
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Manual Integrations

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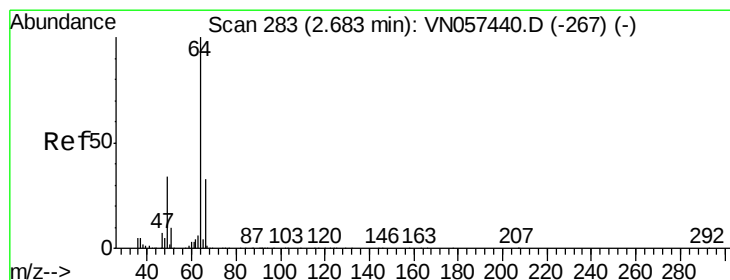
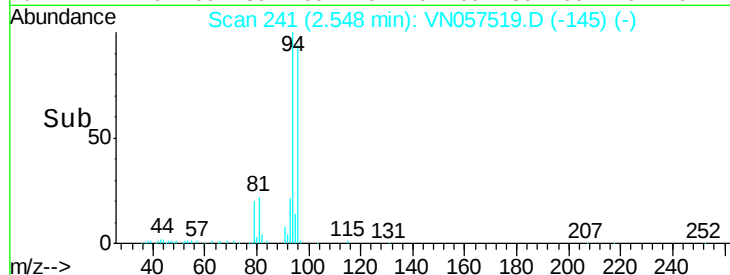
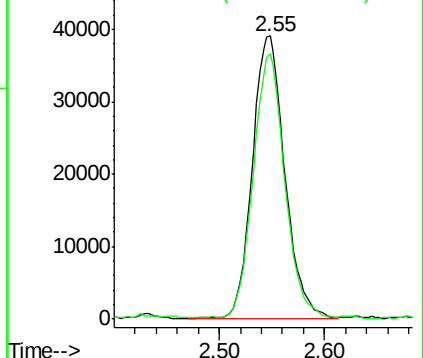
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.770 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057519.D

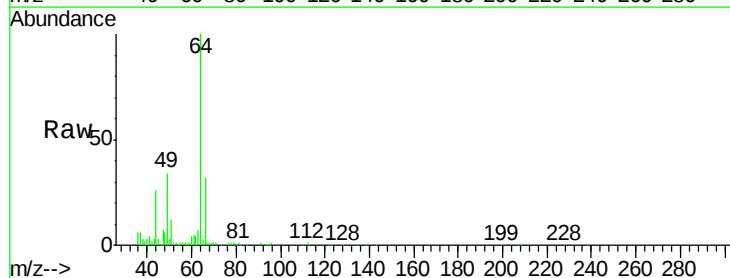
Acq: 26 Aug 2019 19:05

Tgt Ion: 64 Resp: 83065

Ion Ratio Lower Upper

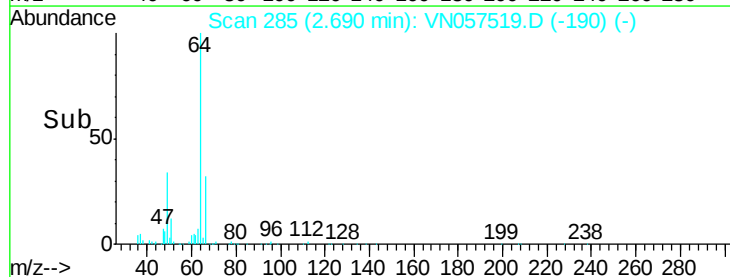
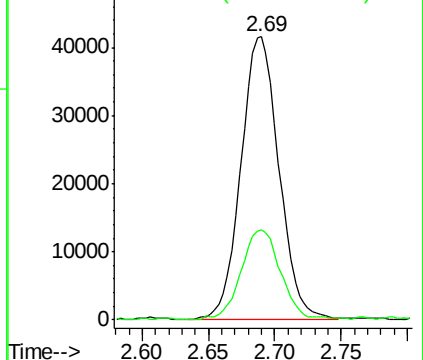
64 100

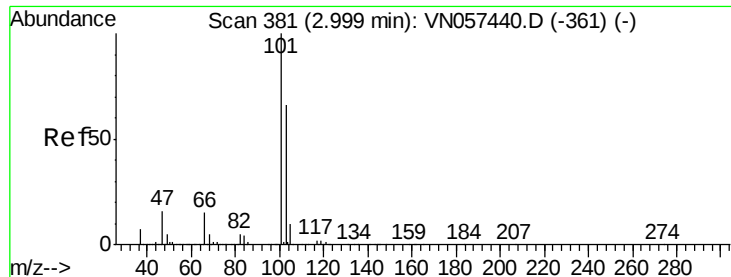
66 31.7 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

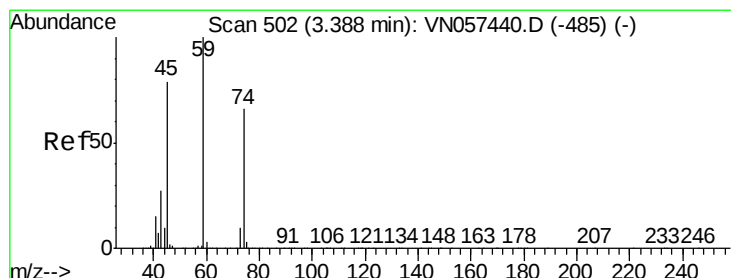
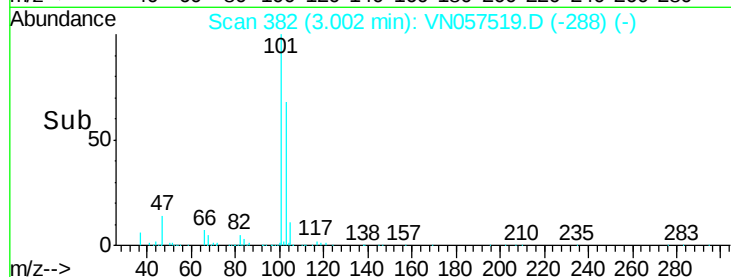
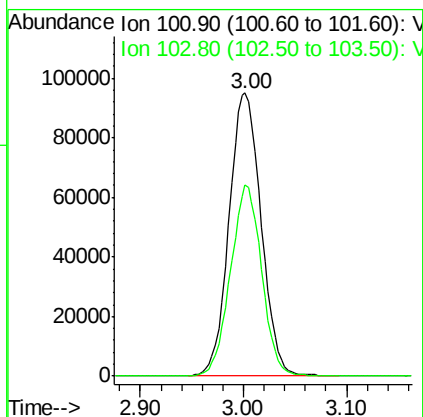
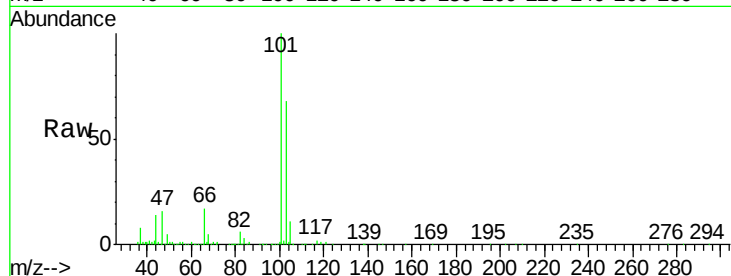
Trichlorofluoromethane
 Concen: 19.260 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.6	78.8

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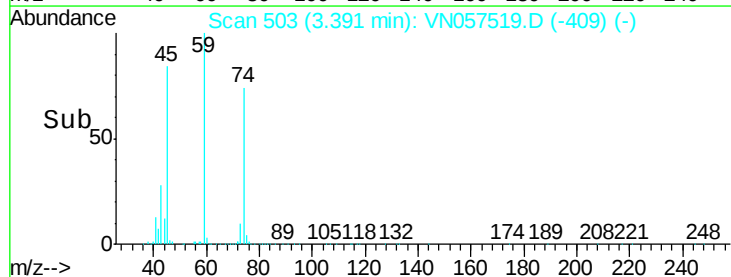
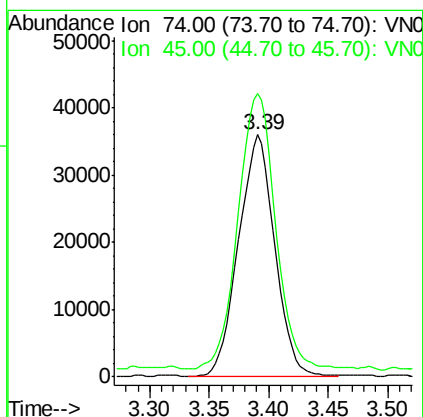
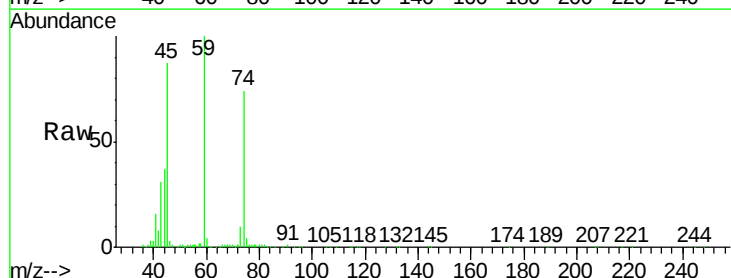
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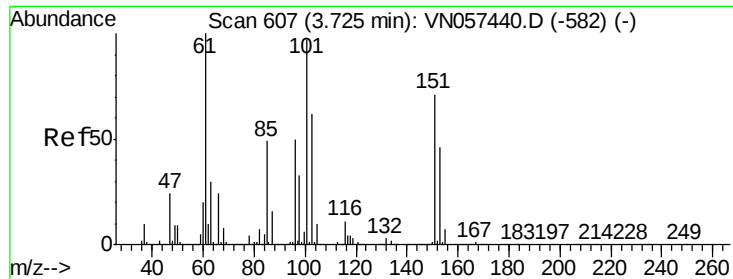


#8

Diethyl Ether
 Concen: 20.356 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.7	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.109 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

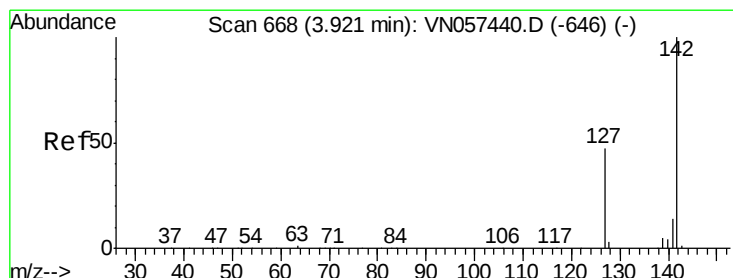
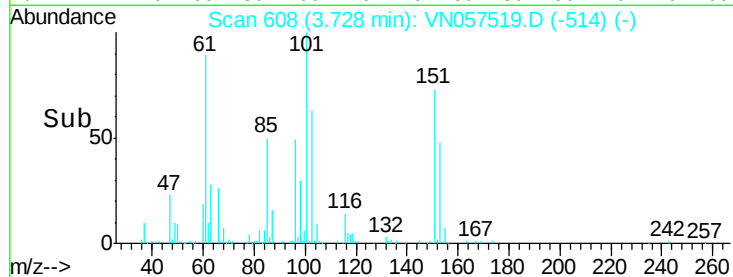
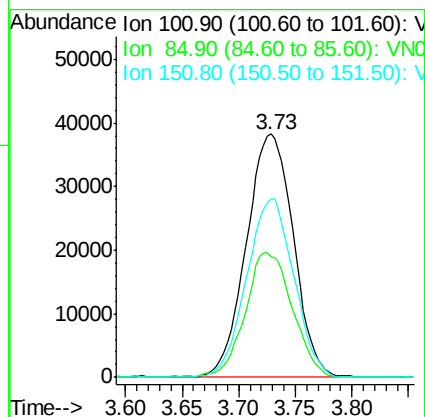
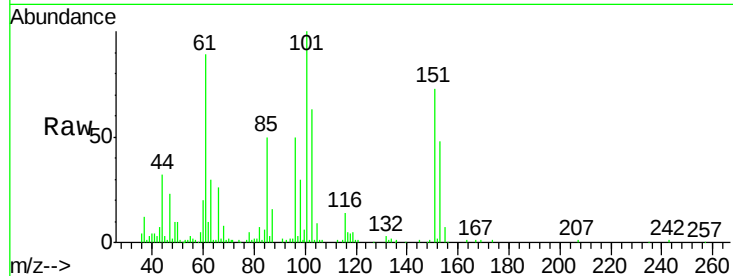
ClientSampleId :

VN0826WBSD02

Tot Ion:	101	Resp:	110268
Ion Ratio	Lower	Upper	
101	100		
85	51.5	40.0	60.0
151	73.8	57.0	85.6

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#10

Methyl Iodide

Concen: 18.120 ug/l

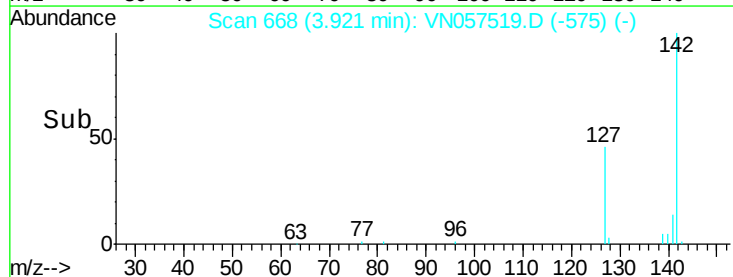
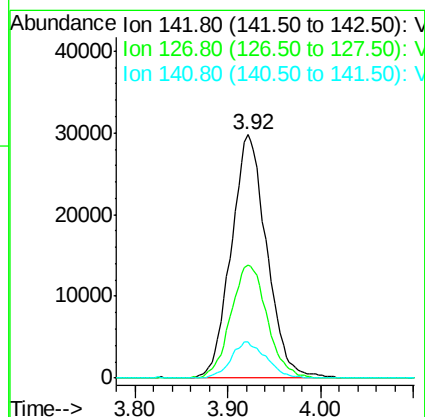
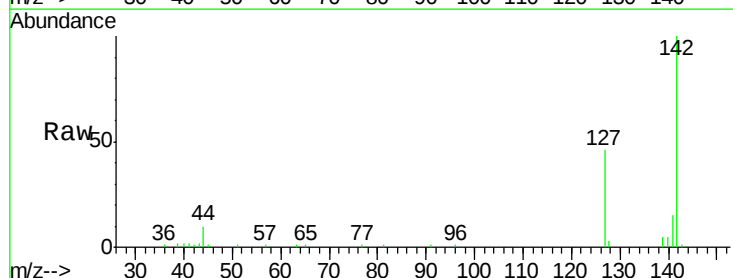
RT: 3.92 min Scan# 668

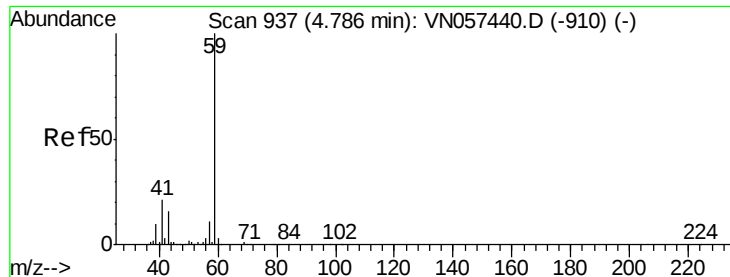
Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	142	Resp:	79012
Ion Ratio	Lower	Upper	
142	100		
127	47.4	37.8	56.8
141	14.8	11.9	17.9





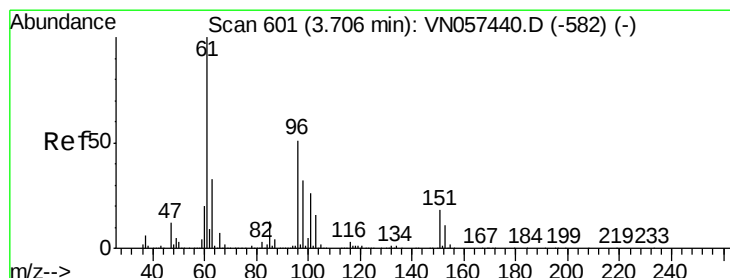
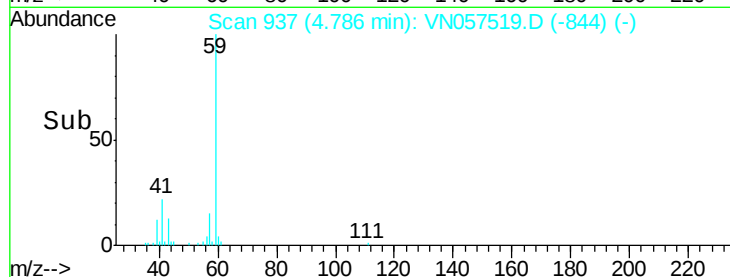
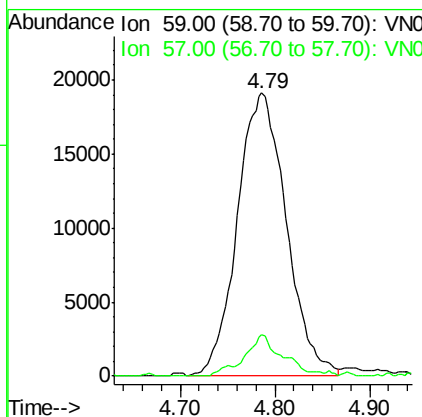
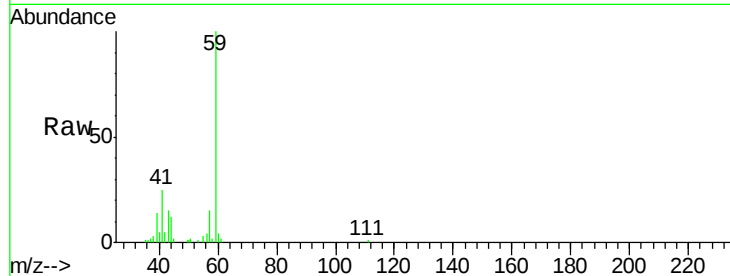
#11
Tert butyl alcohol
Concen: 93.780 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	68740		
57	57	9.1		9.1	13.7#

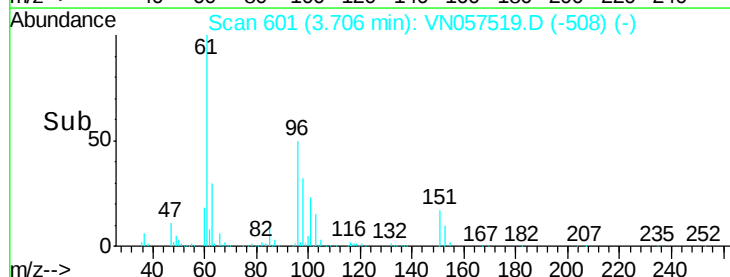
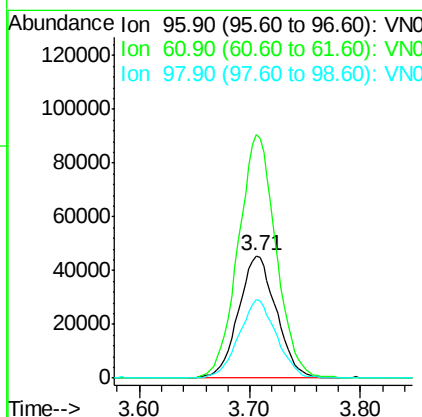
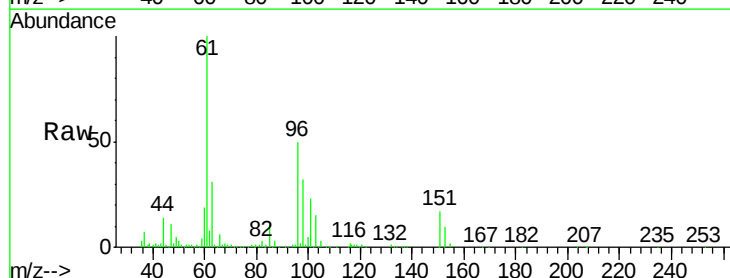
Manual Integrations
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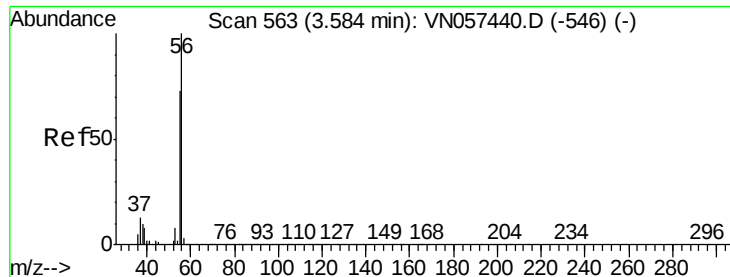
MMDadoda
8/27/2019 5:30:45 PM



#12
1,1-Dichloroethene
Concen: 18.732 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	106929		
61	61	199.4		155.3	232.9
98	98	64.4		50.2	75.2





#13

Acrolein

Concen: 98.827 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 56 Resp: 63697

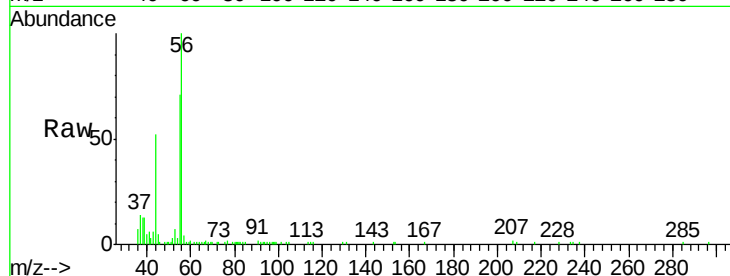
Ion Ratio Lower Upper

56 100

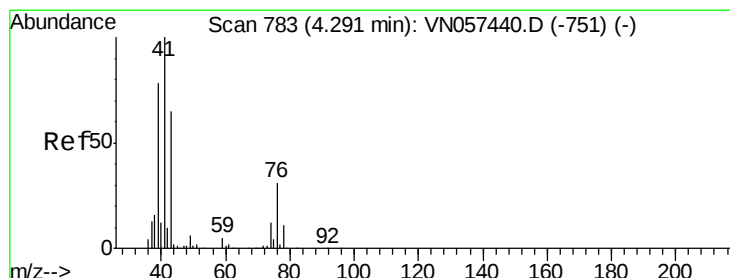
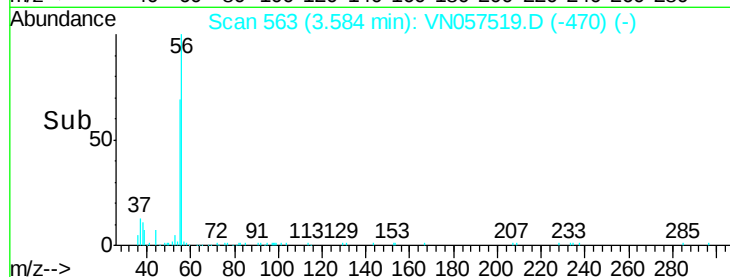
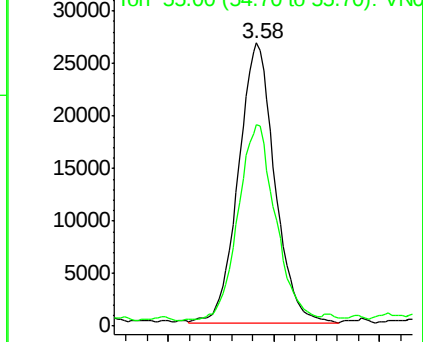
55 72.0 59.0 88.4

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Abundance Ion 56.00 (55.70 to 56.70): VN057519.D (-470) (-)



#14

Allyl chloride

Concen: 18.739 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

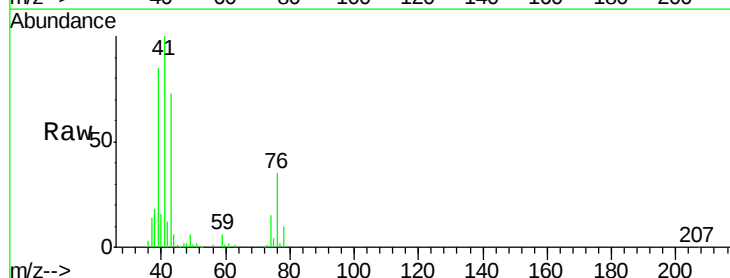
Tgt Ion: 41 Resp: 141498

Ion Ratio Lower Upper

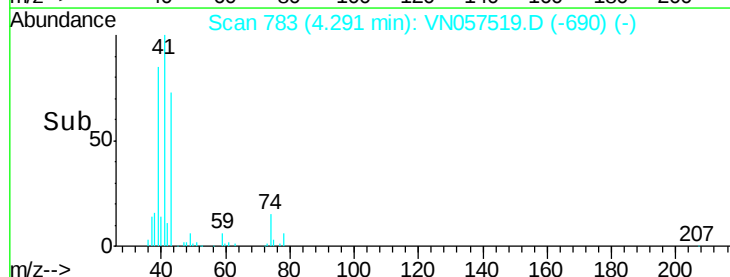
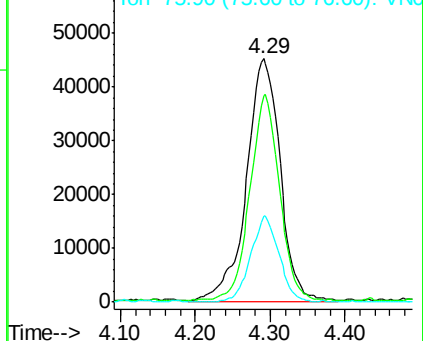
41 100

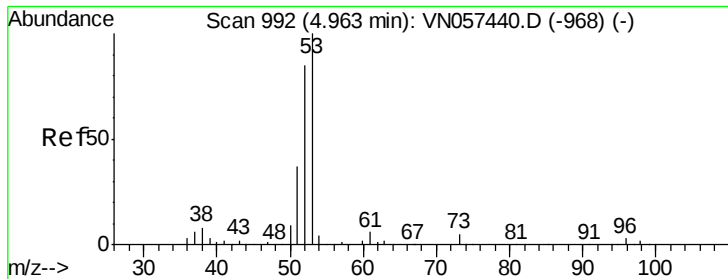
39 73.7 57.4 86.2

76 29.8 22.9 34.3



Abundance Ion 41.00 (40.70 to 41.70): VN057519.D (-690) (-)





#15

Acrylonitrile

Concen: 96.418 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

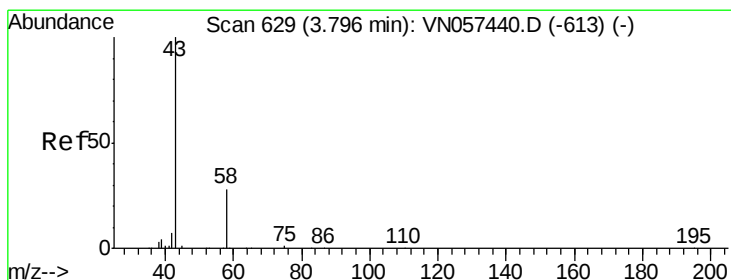
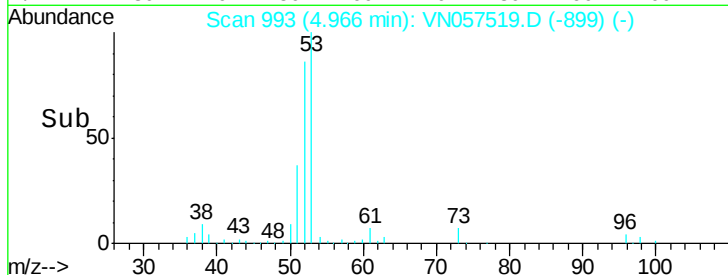
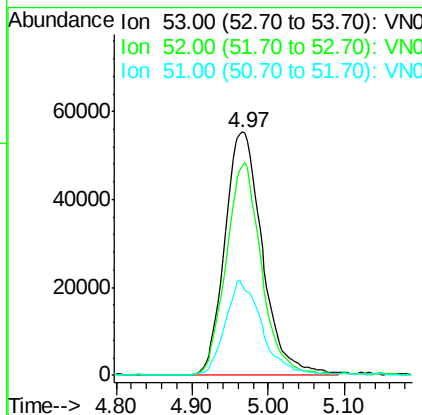
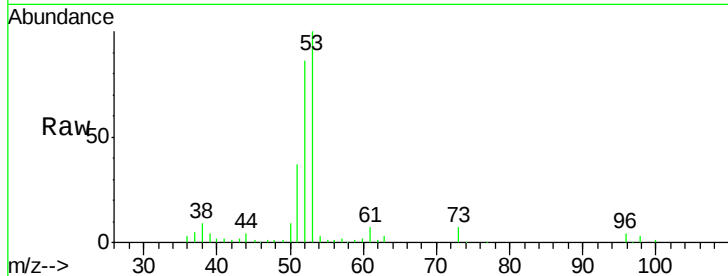
ClientSampleId :

VN0826WBSD02

Tot Ion:	53	Resp:	190592
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.0	100.6
51	38.1	29.9	44.9

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#16

Acetone

Concen: 66.931 ug/l

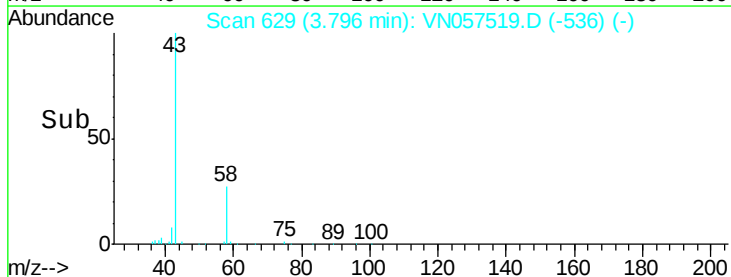
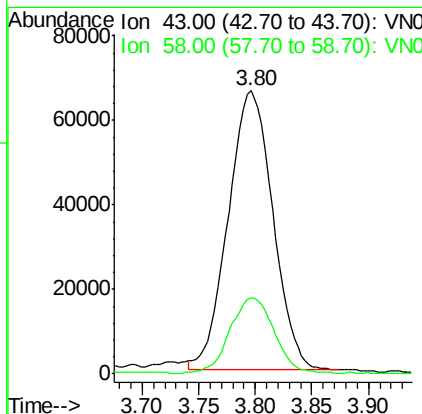
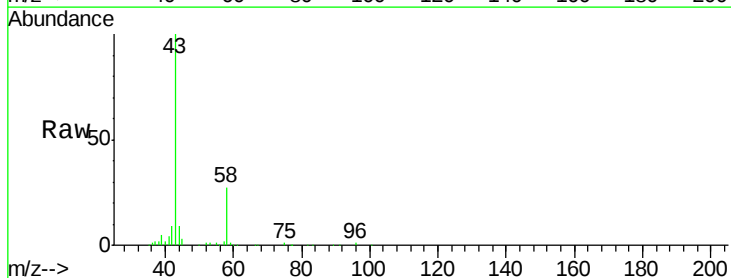
RT: 3.80 min Scan# 629

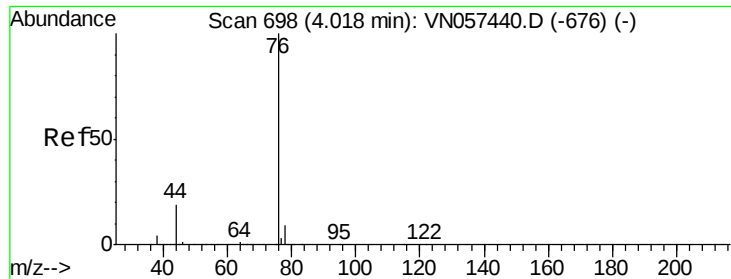
Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	43	Resp:	181333
Ion	Ratio	Lower	Upper
43	100		
58	27.2	22.1	33.1





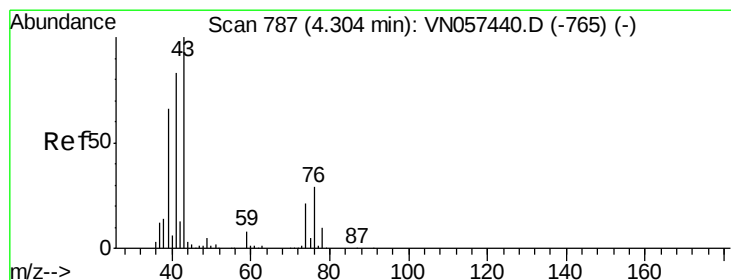
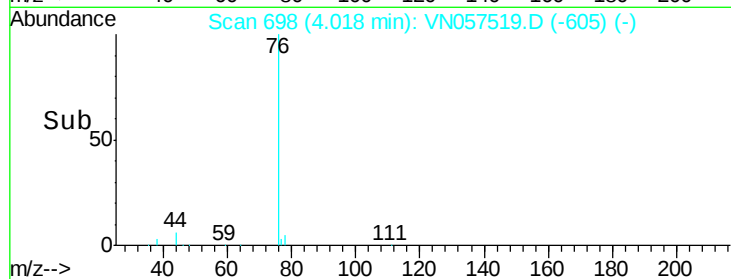
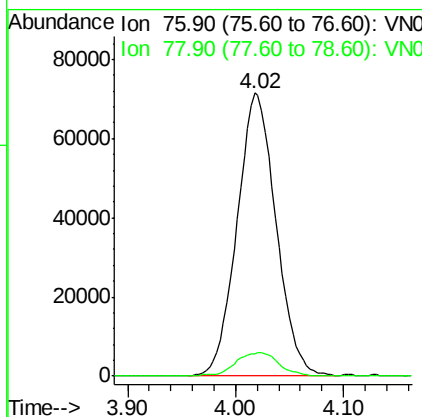
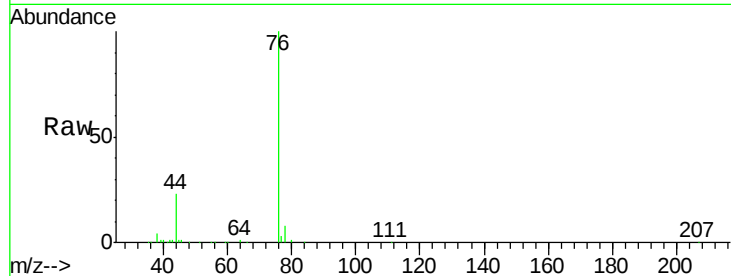
#17
Carbon Disulfide
Concen: 16.393 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.1	10.7

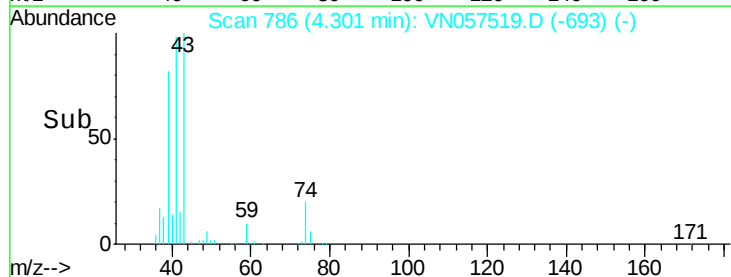
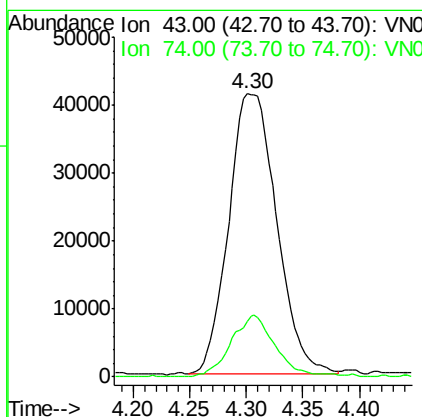
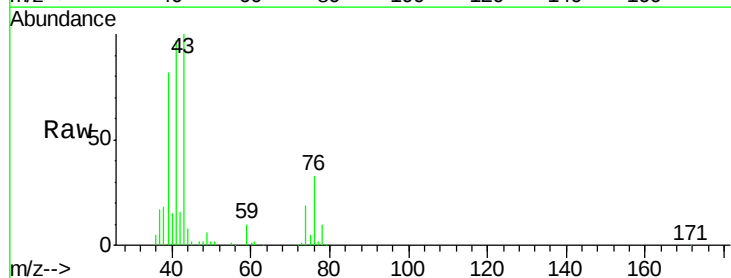
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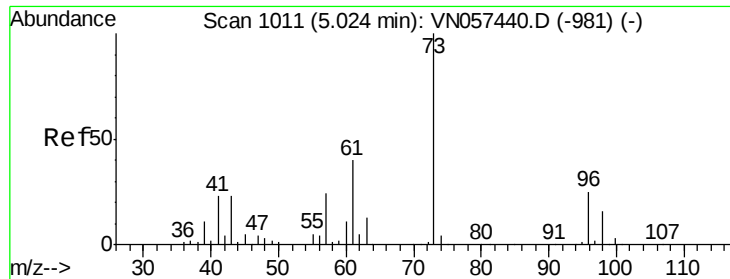
MMDadoda
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#18
Methyl Acetate
Concen: 20.189 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.1	15.9	23.9





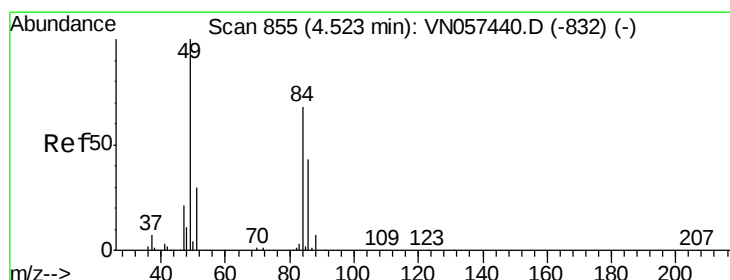
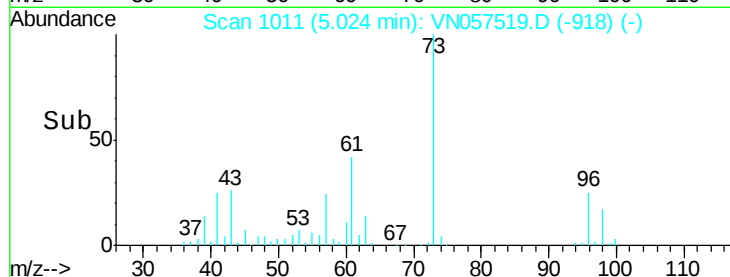
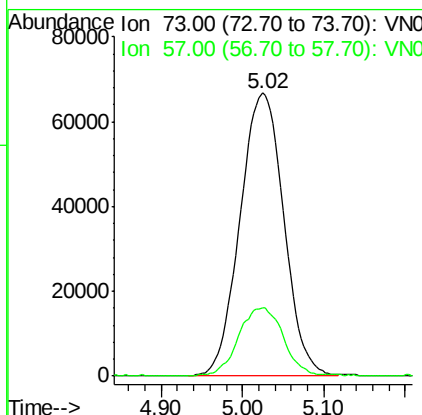
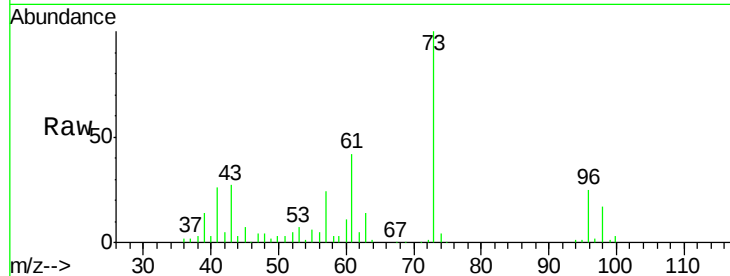
#19
Methvl tert-butvl Ether
Concen: 18.057 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion: 73 Resp: 248818
Ion Ratio Lower Upper
73 100
57 23.9 19.1 28.7

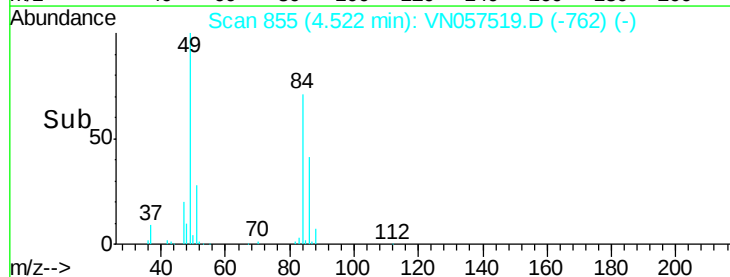
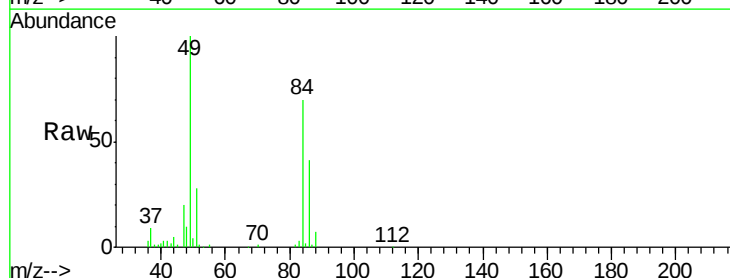
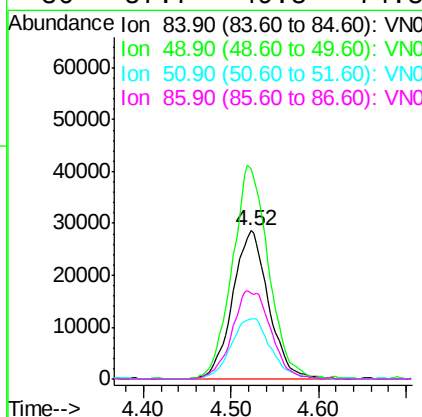
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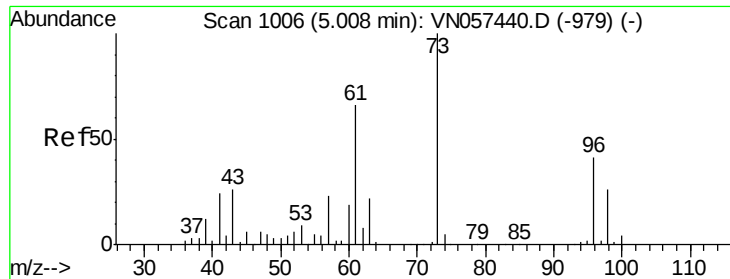
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#20
Methylene Chloride
Concen: 20.216 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 84 Resp: 81383
Ion Ratio Lower Upper
84 100
49 142.0 117.0 175.4
51 40.3 35.5 53.3
86 57.7 49.8 74.8





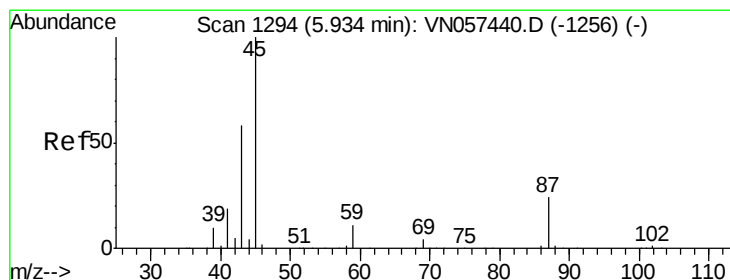
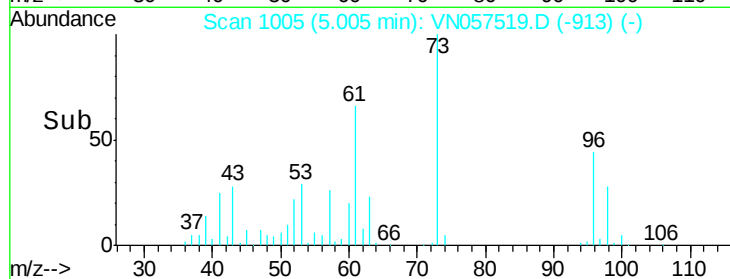
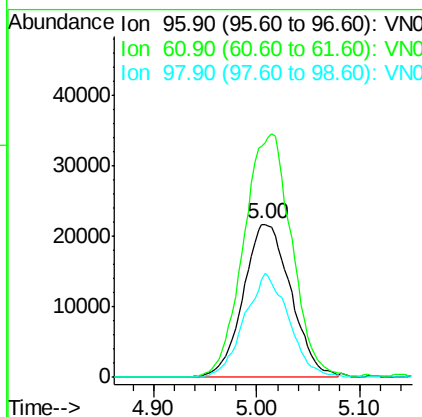
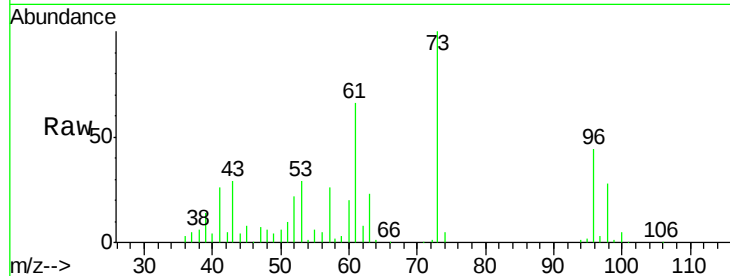
#21
trans-1,2-Dichloroethene
Concen: 17.270 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.6	127.9	191.9
98	63.8	50.6	76.0

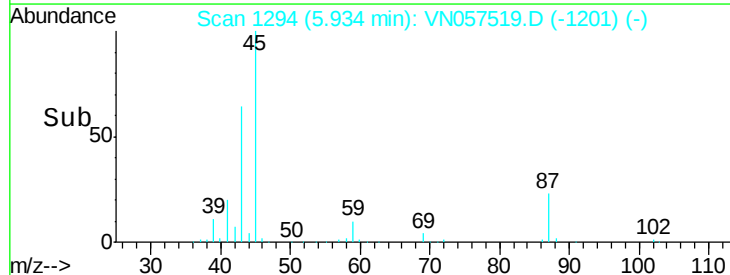
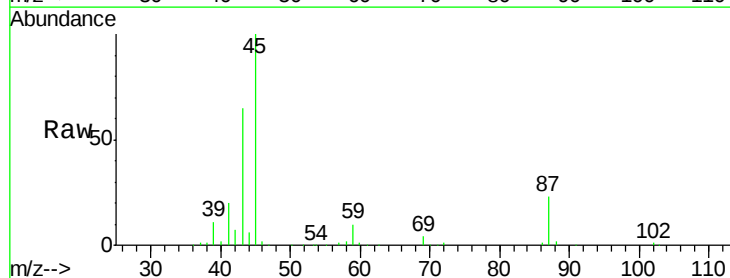
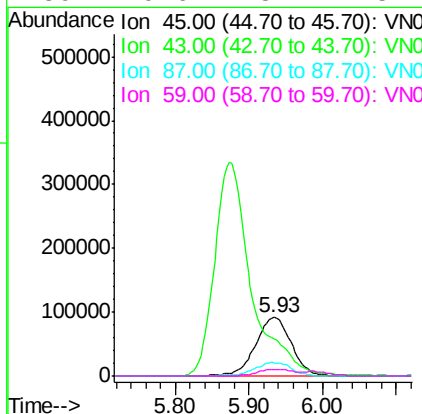
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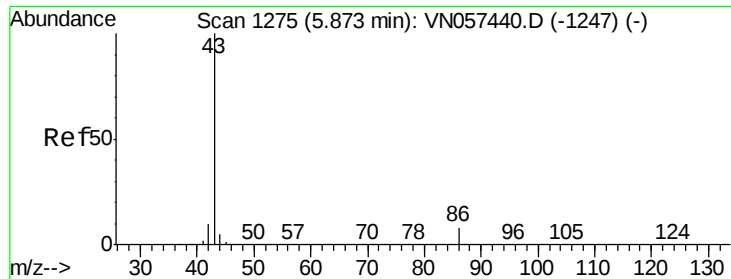
MMDadoda
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#22
Diisopropyl ether
Concen: 19.239 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.9	70.3
87	22.7	19.3	28.9
59	9.6	8.7	13.1





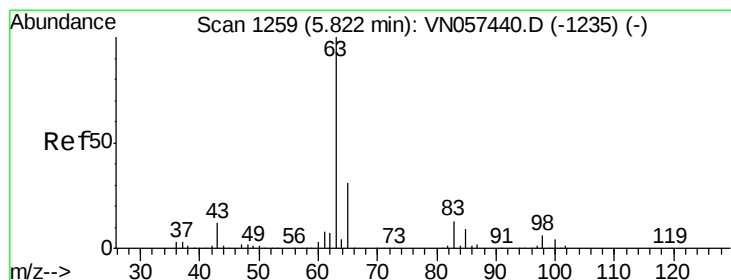
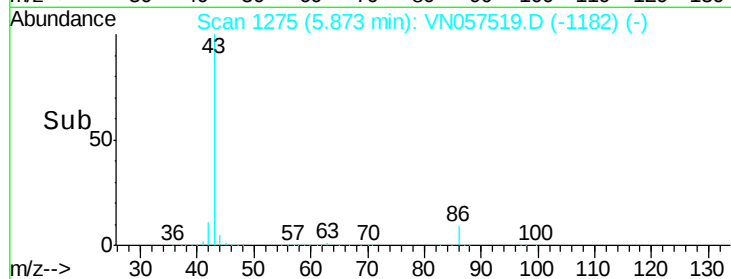
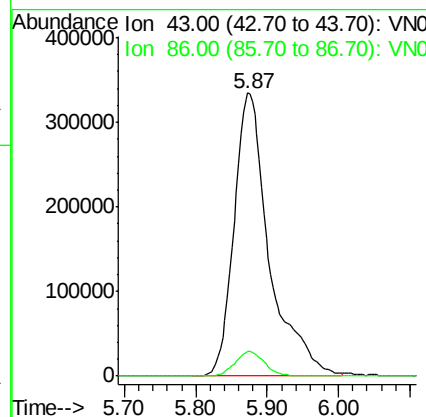
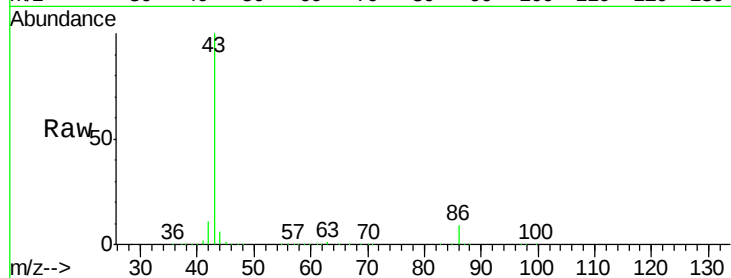
#23
 Vinyl Acetate
 Concen: 90.870 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion: 43 Resp: 1149517
 Ion Ratio Lower Upper
 43 100
 86 8.8 6.7 10.1

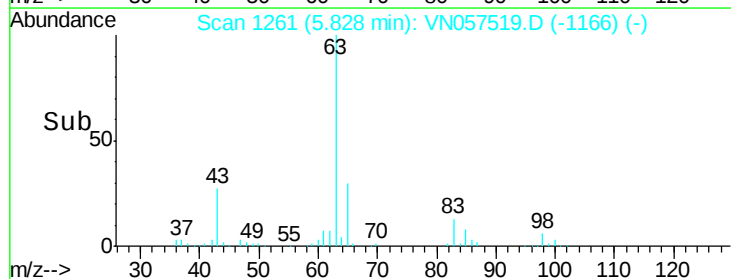
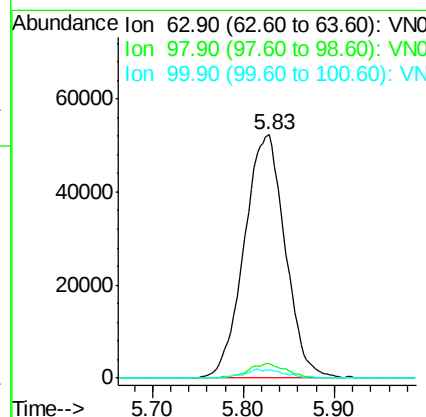
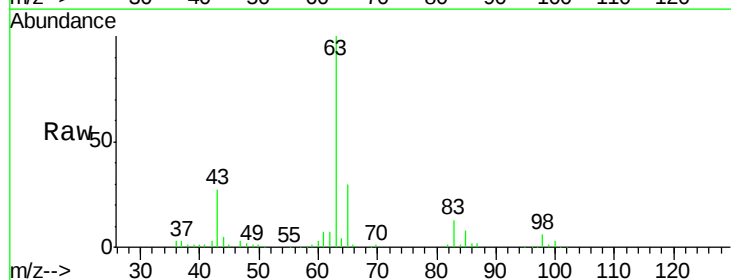
Manual Integrations
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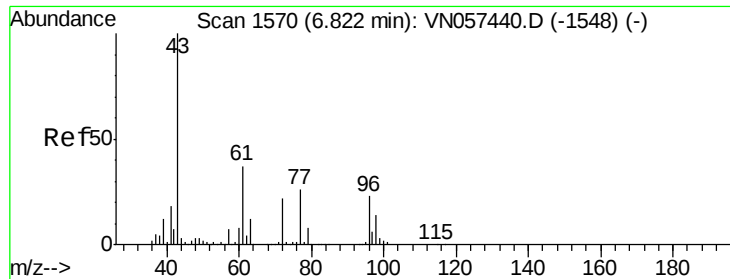
MMDadoda
 8/27/2019 5:30:45 PM



#24
 1,1-Dichloroethane
 Concen: 19.019 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.01 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 63 Resp: 163249
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.6
 100 3.4 2.1 6.3





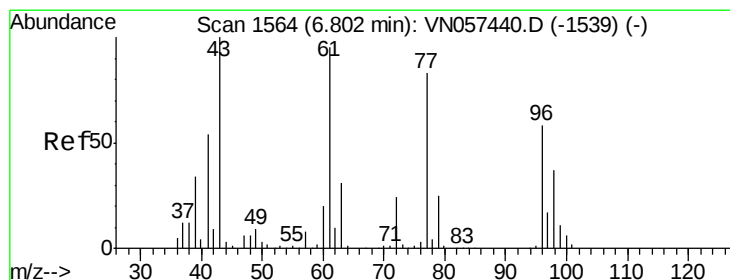
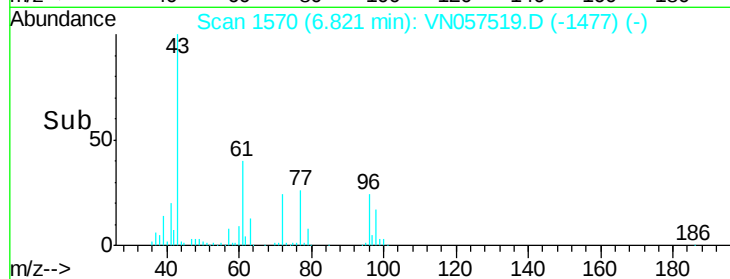
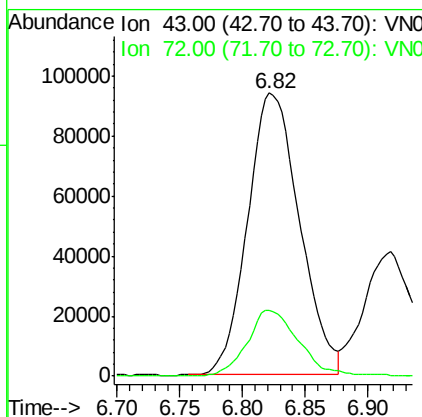
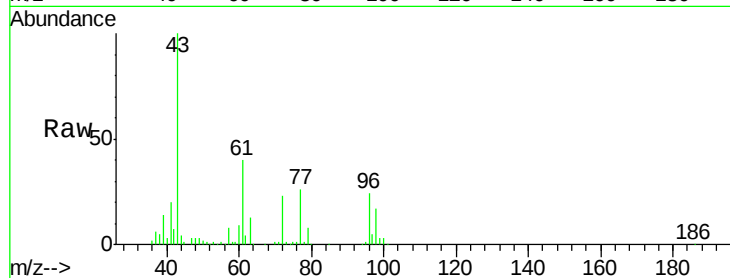
#25
2-Butanone
Concen: 92.179 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion: 43 Resp: 271184
Ion Ratio Lower Upper
43 100
72 23.4 17.8 26.8

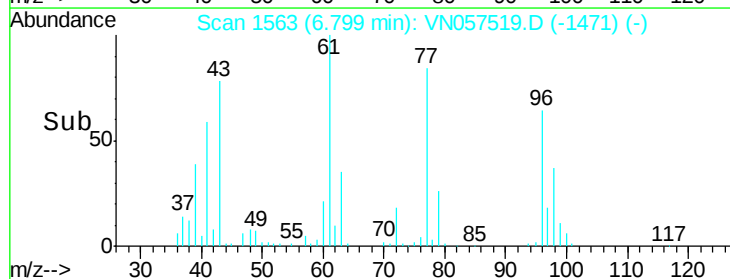
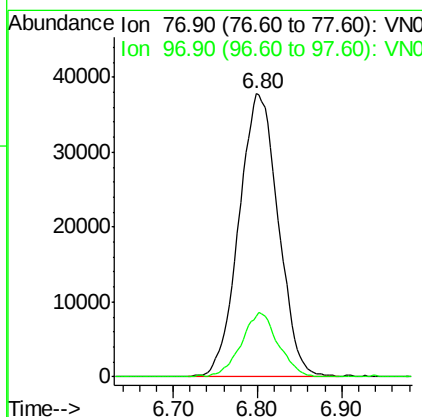
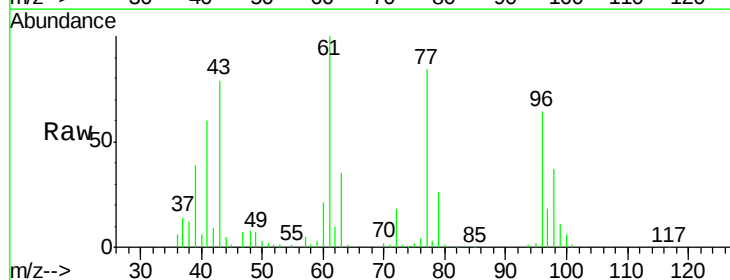
Manual Integrations
APPROVED

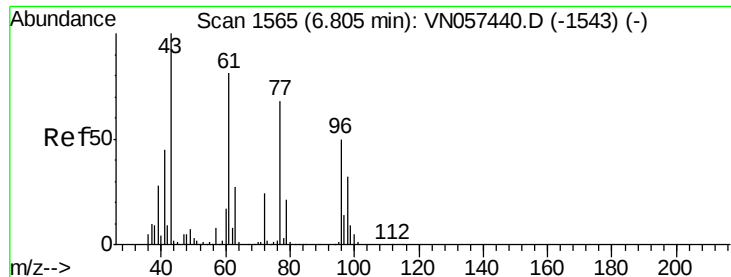
MMDadoda
8/27/2019 5:30:45 PM



#26
2,2-Dichloropropane
Concen: 16.480 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 77 Resp: 122495
Ion Ratio Lower Upper
77 100
97 21.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.603 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

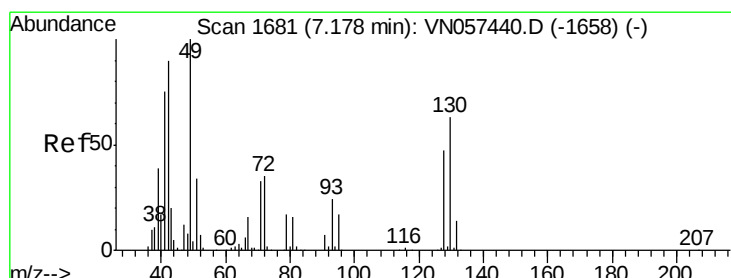
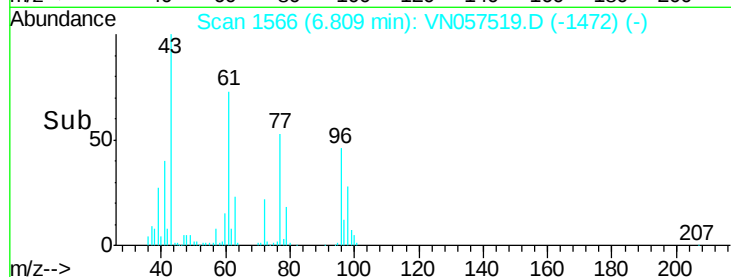
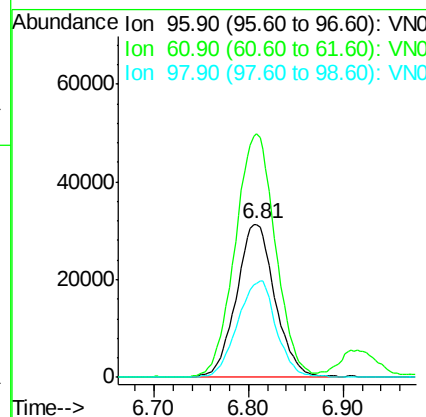
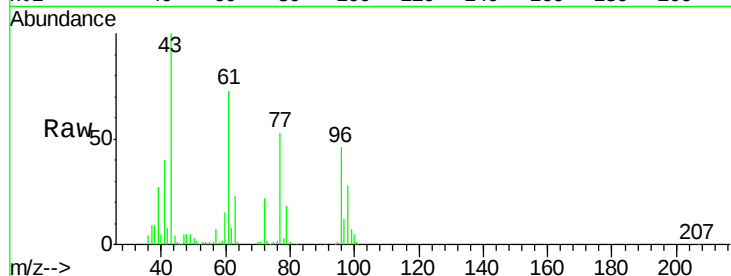
ClientSampleId :

VN0826WBSD02

Tot Ion:	96	Resp:	88831
Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	334.8
98	63.3	0.0	127.4

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#28

Bromochloromethane

Concen: 22.026 ug/l

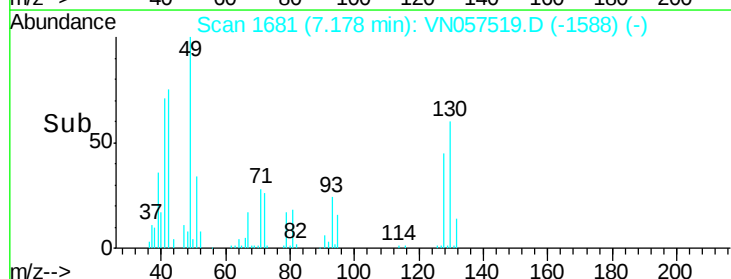
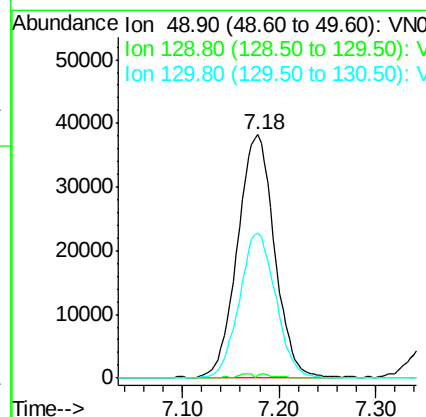
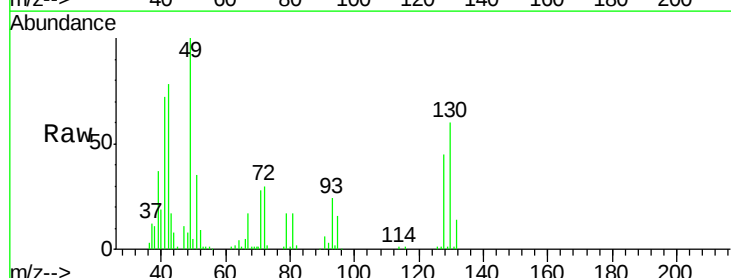
RT: 7.18 min Scan# 1681

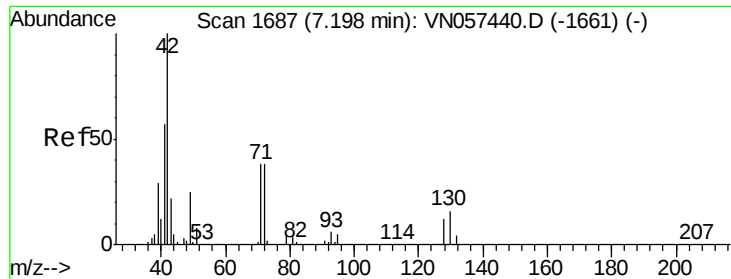
Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	49	Resp:	101810
Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	3.6
130	58.6	48.6	72.8





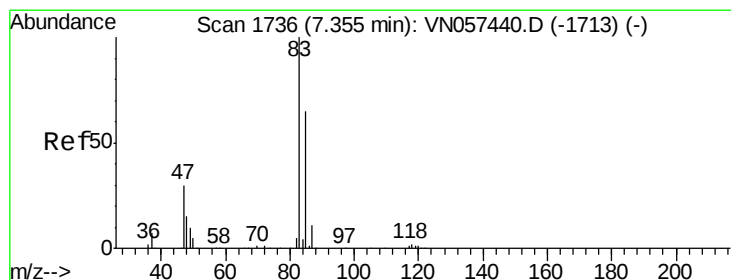
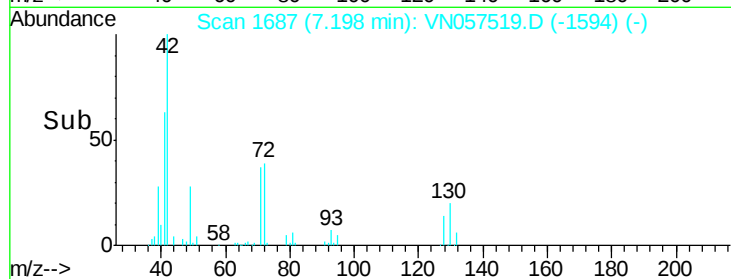
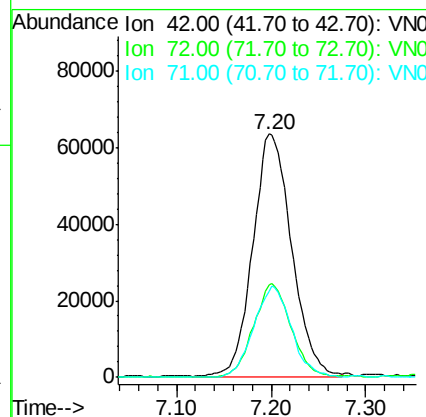
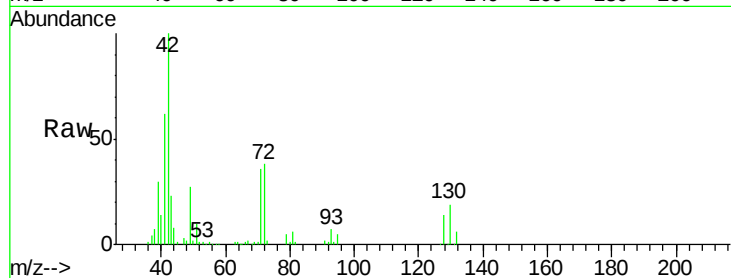
#29
Tetrahydrofuran
Concen: 92.897 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.1	45.1
71	36.4	28.8	43.2

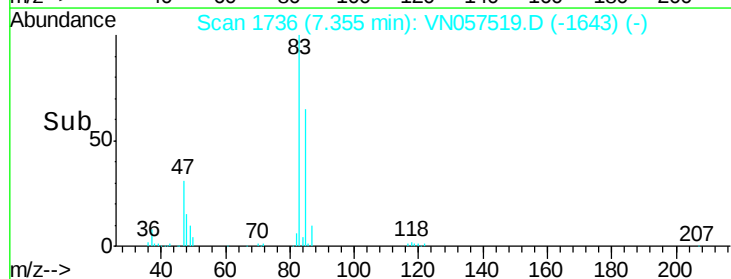
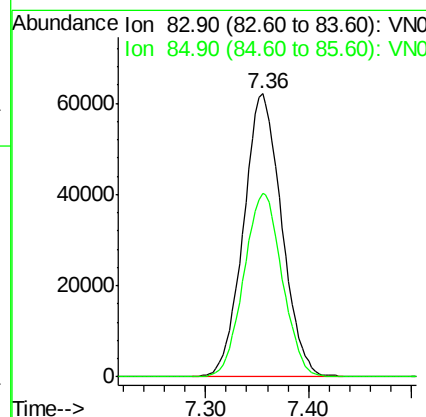
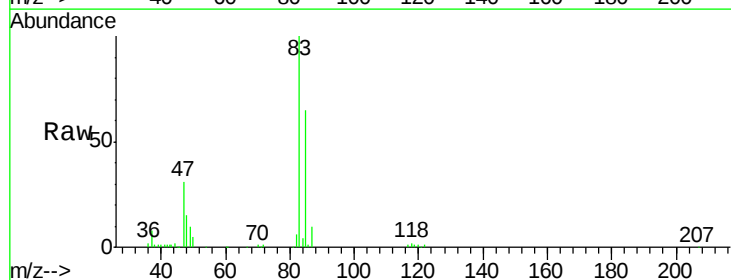
Manual Integrations
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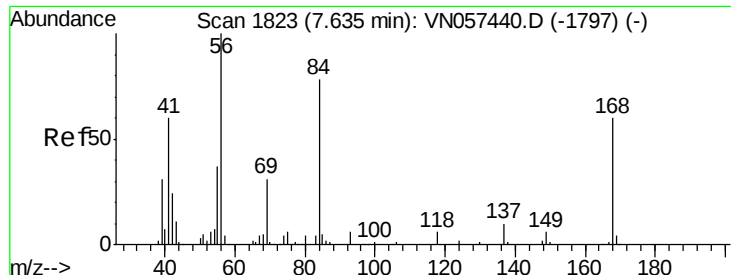
MMDadoda
8/27/2019 5:30:45 PM



#30
Chloroform
Concen: 20.103 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.9	77.9





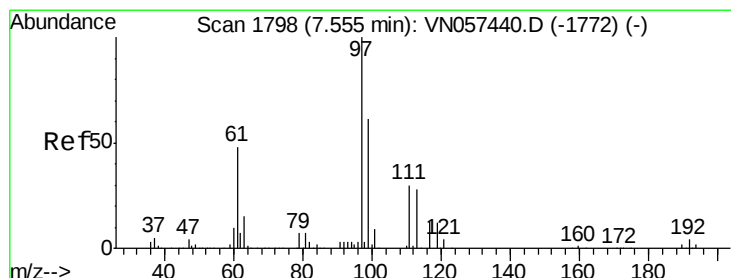
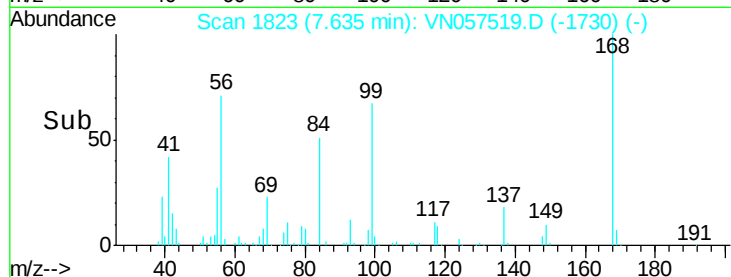
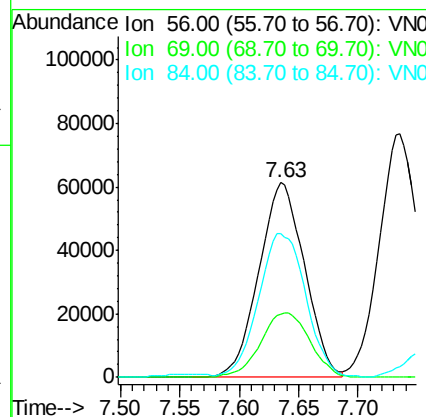
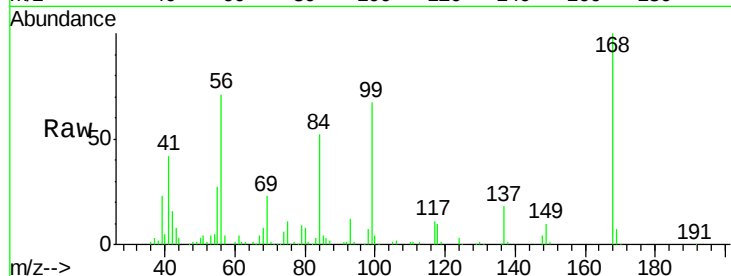
#31
Cyclohexane
Concen: 19.702 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.0	37.6
84	72.1	62.5	93.7

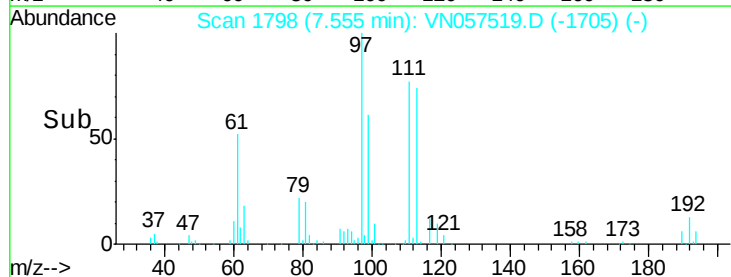
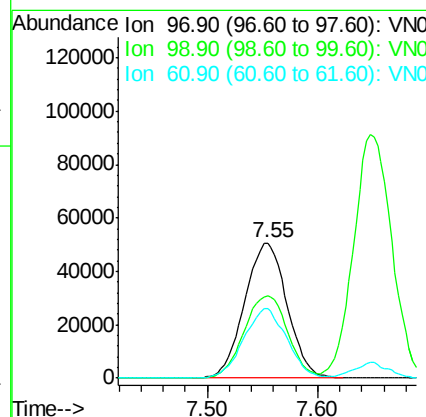
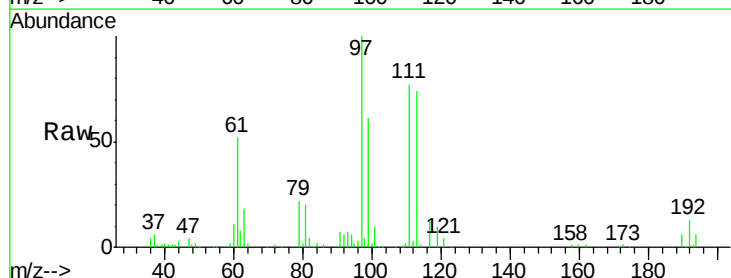
Manual Integrations
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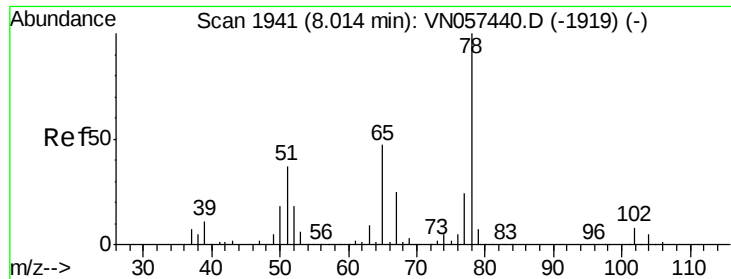
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.325 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.0	76.6
61	52.1	39.8	59.6





#33

1,2-Dichloroethane-d4

Concen: 53.862 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 65 Resp: 317760

Ion Ratio Lower Upper

65 100

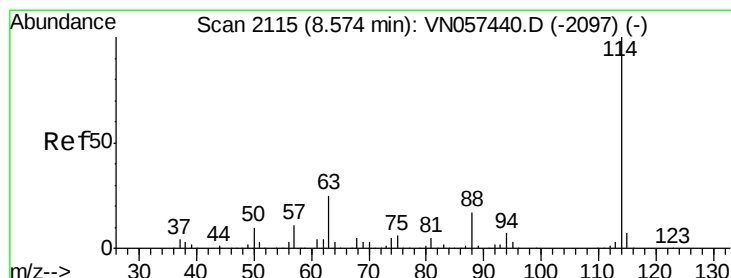
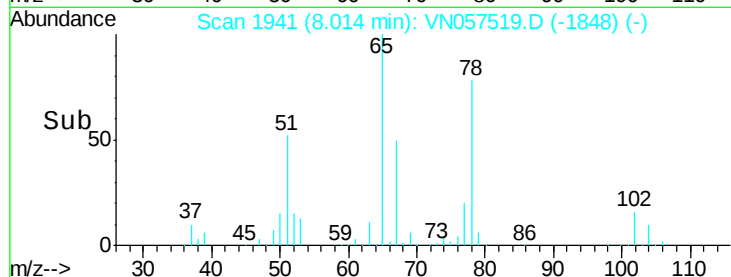
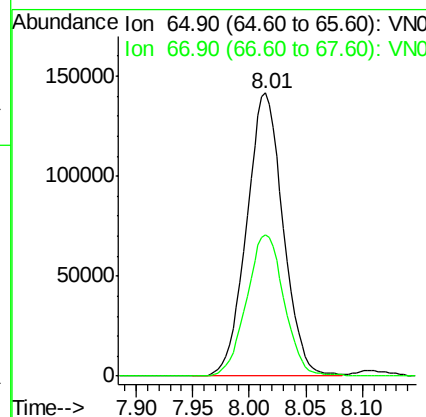
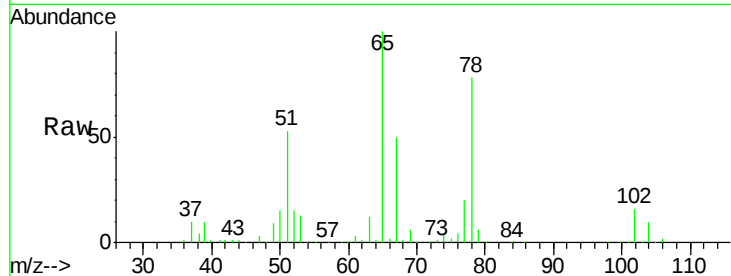
67 51.5 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

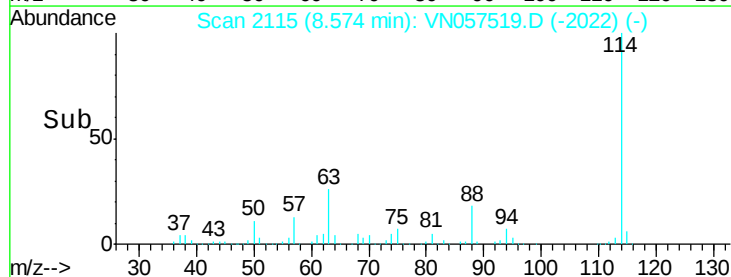
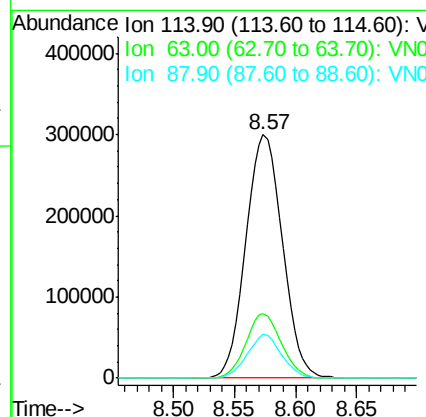
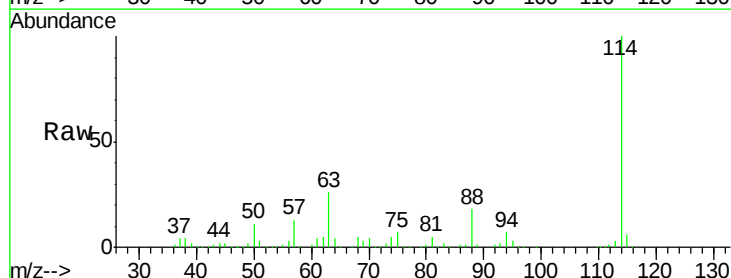
Tgt Ion: 114 Resp: 620900

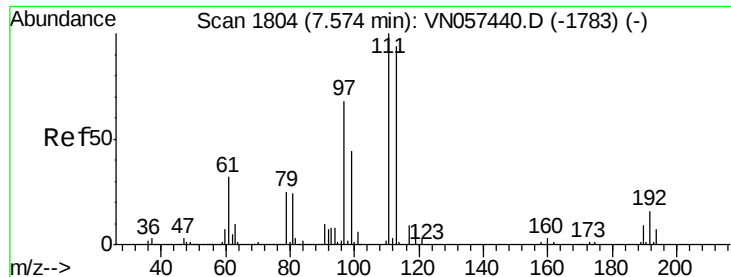
Ion Ratio Lower Upper

114 100

63 26.5 0.0 50.2

88 18.0 0.0 34.6





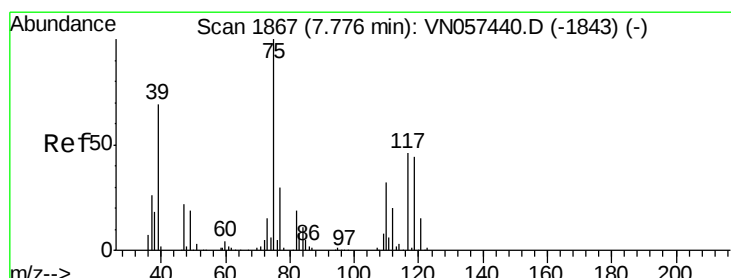
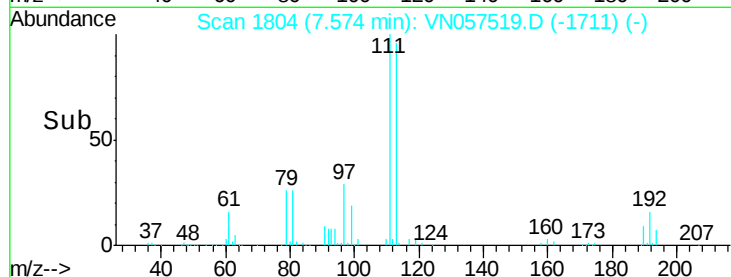
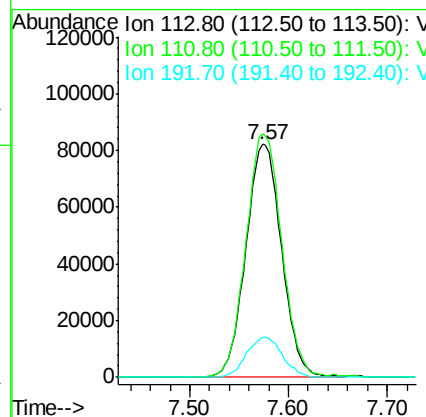
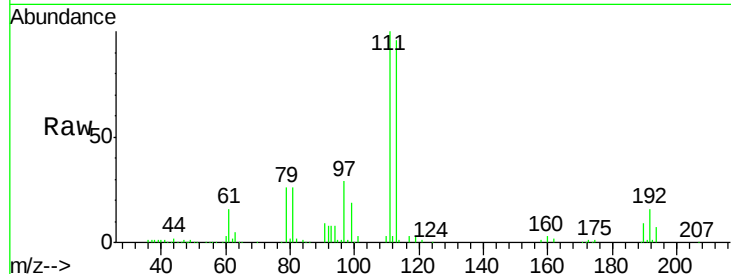
#35
Dibromofluoromethane
Concen: 49.108 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205953		
111	104.9	83.8	125.6	
192	17.3	13.5	20.3	

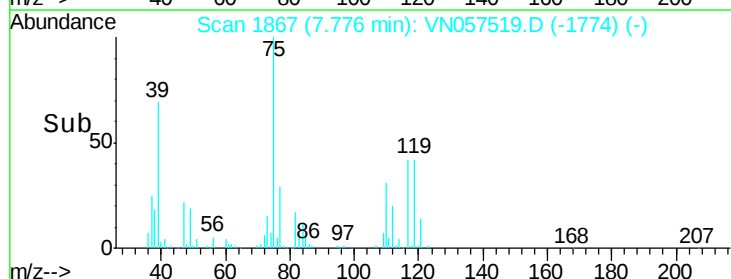
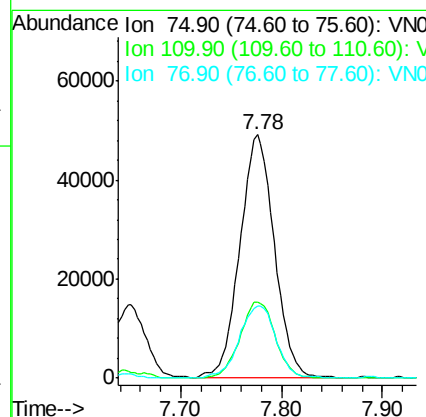
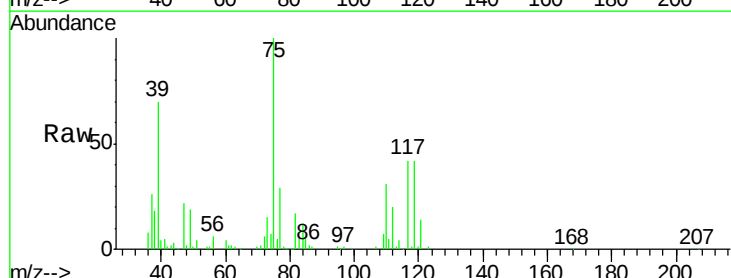
Manual Integrations
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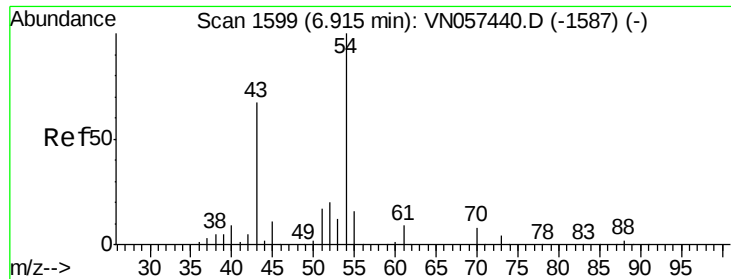
MMDadoda
8/27/2019 5:30:45 PM



#36
1,1-Dichloropropene
Concen: 18.365 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	116515		
110	31.9	16.1	48.3	
77	31.6	24.8	37.2	





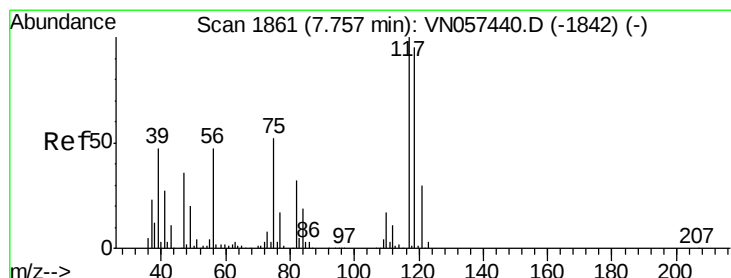
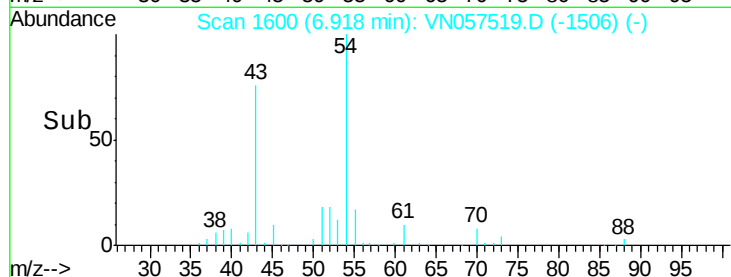
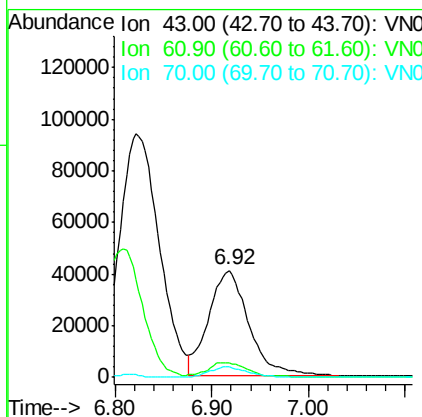
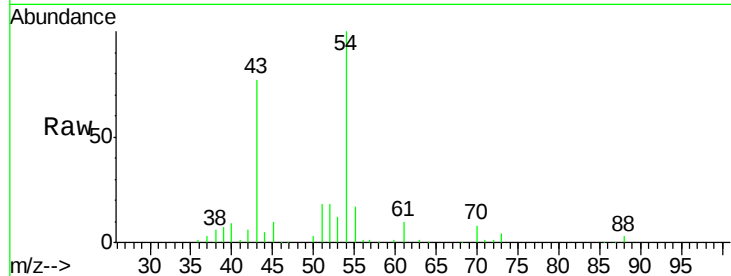
#37
Ethyl Acetate
Concen: 18.862 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.6	9.9	14.9
70	9.3	7.0	10.6

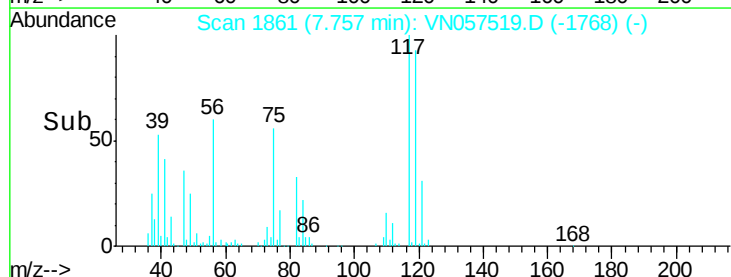
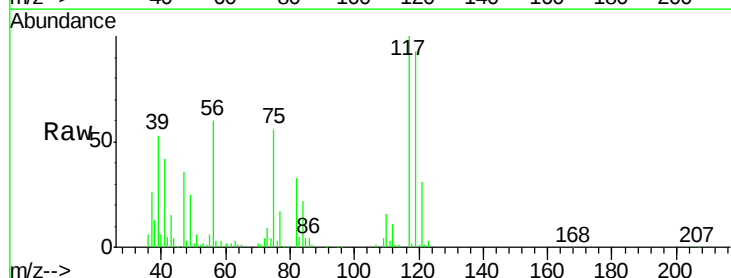
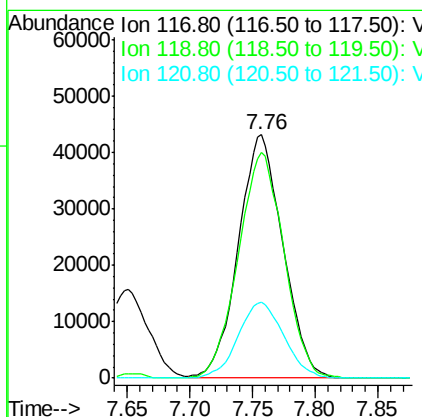
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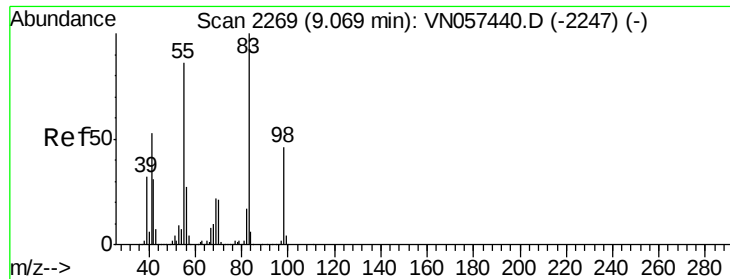
MMDadoda
8/27/2019 5:30:45 PM



#38
Carbon Tetrachloride
Concen: 16.914 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	76.2	114.4
121	31.1	23.8	35.6





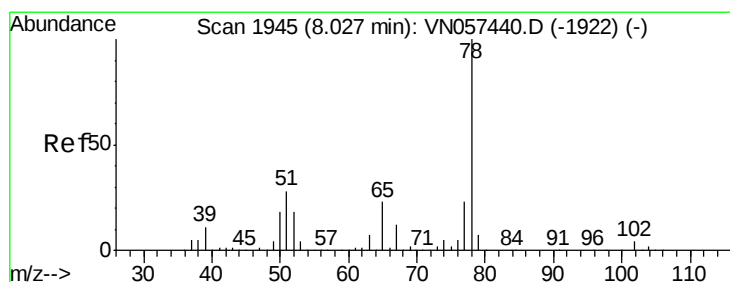
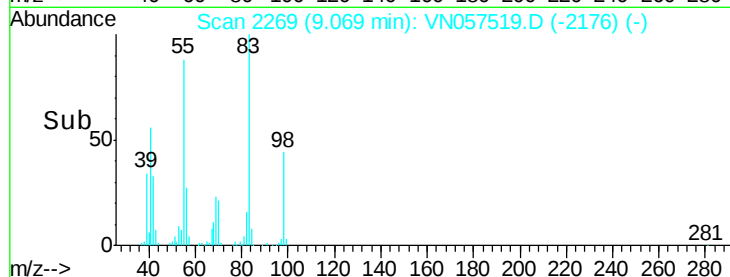
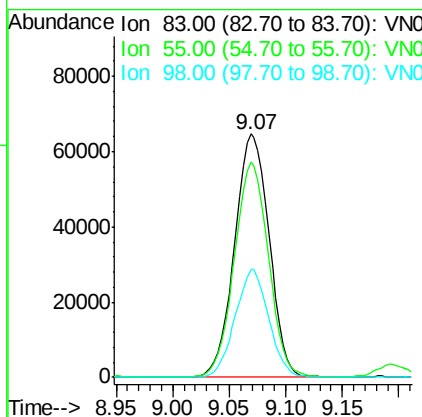
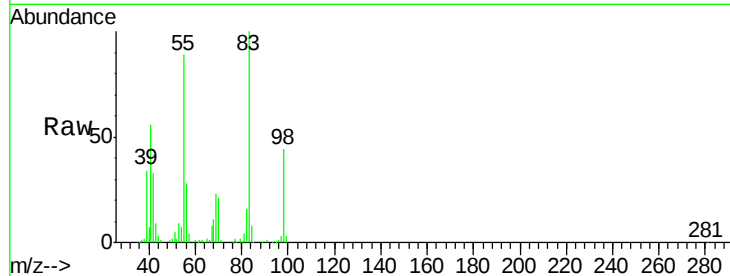
#39
Methvlcvclohexane
Concen: 18.288 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.5	68.6	102.8
98	44.2	36.6	54.8

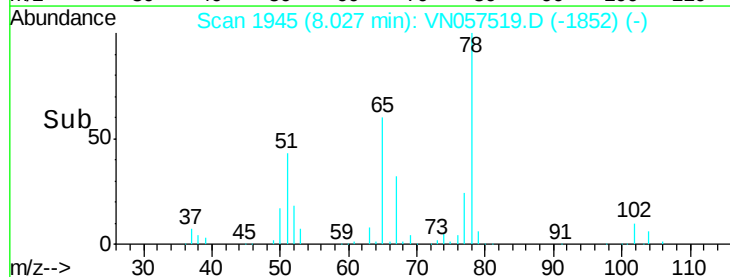
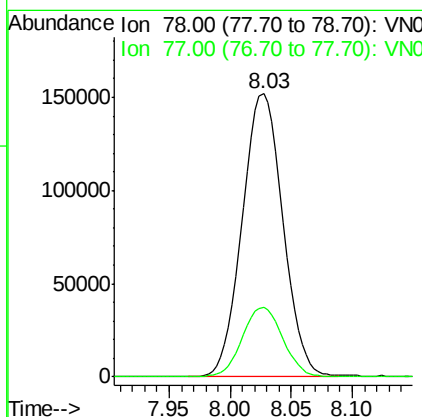
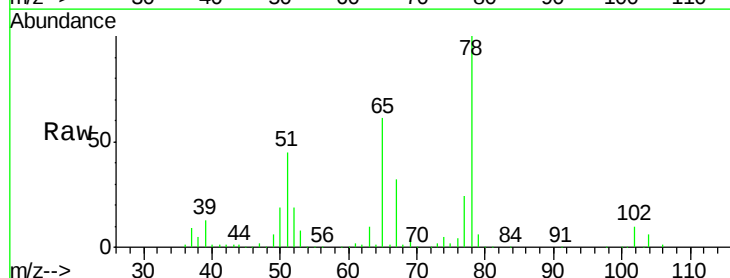
Manual Integrations
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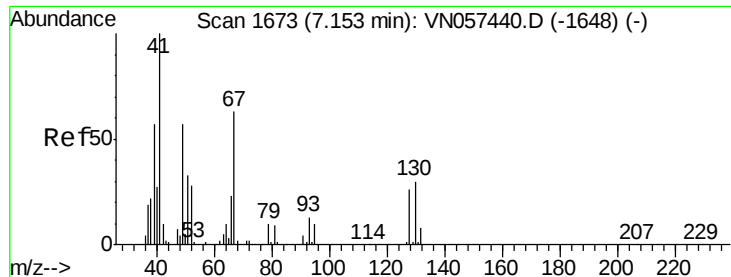
MMDadoda
8/27/2019 5:30:45 PM



#40
Benzene
Concen: 18.426 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.5	27.7





#41

Methacrylonitrile

Concen: 15.677 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

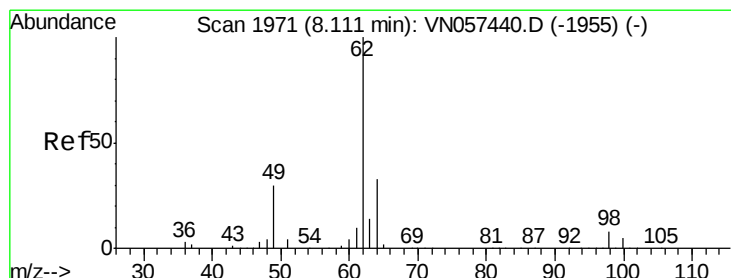
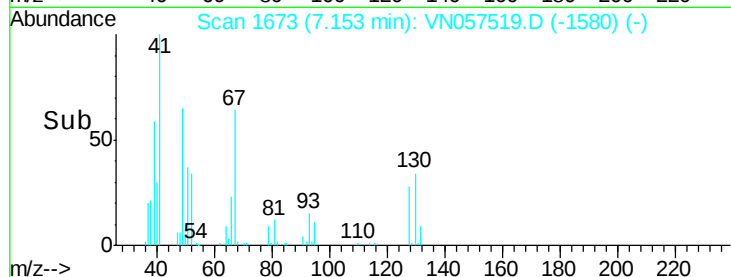
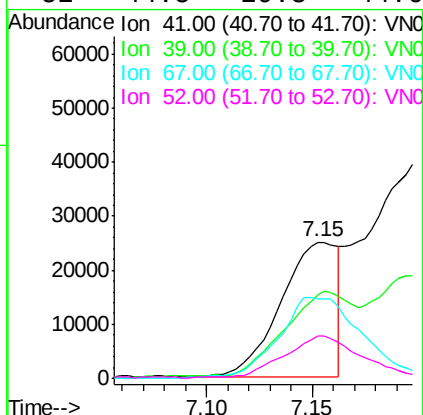
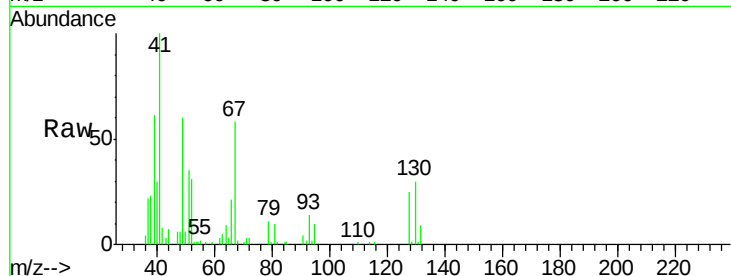
ClientSampleId :

VN0826WBSD02

Tot Ion	41	Resp	46865
Ion	Ratio	Lower	Upper
41	100		
39	75.2	53.6	80.4
67	88.7	65.4	98.2
52	44.5	29.8	44.6

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.896 ug/l

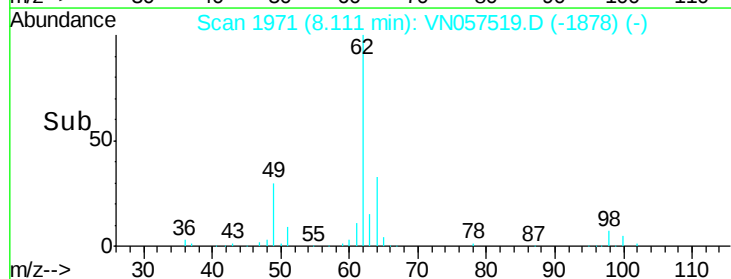
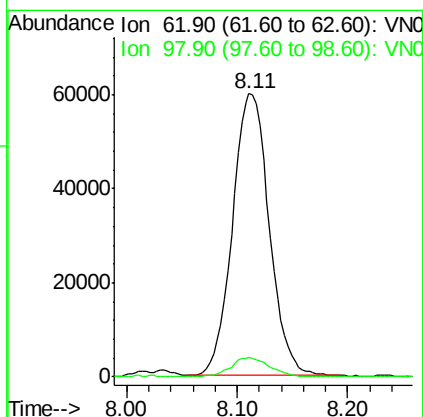
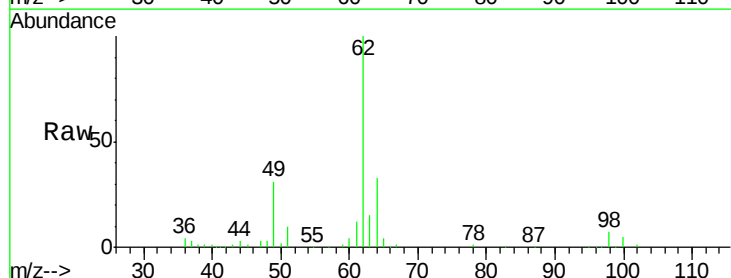
RT: 8.11 min Scan# 1971

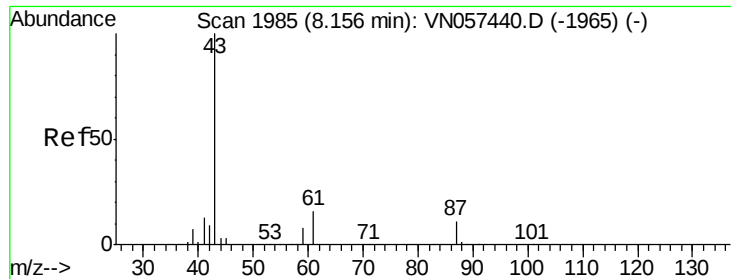
Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion	62	Resp	138543
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.4





#43

Isopropyl Acetate

Concen: 18.196 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

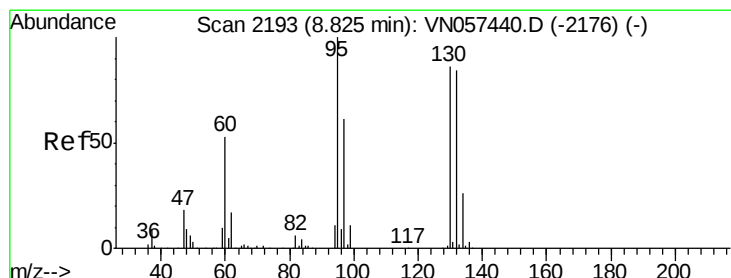
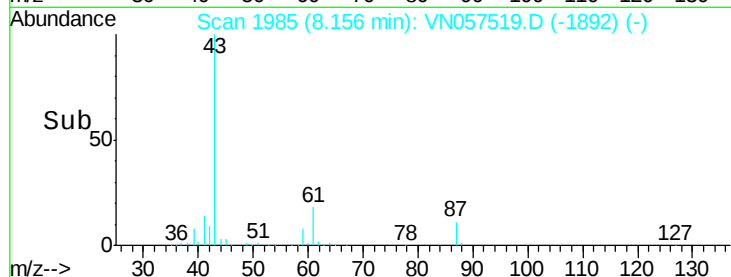
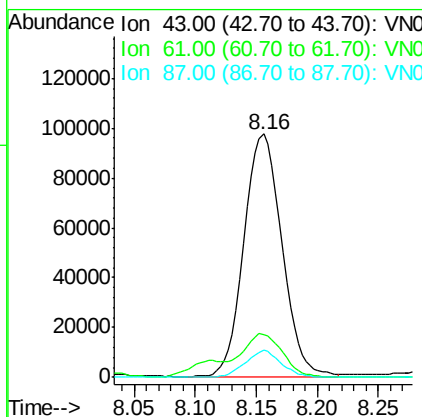
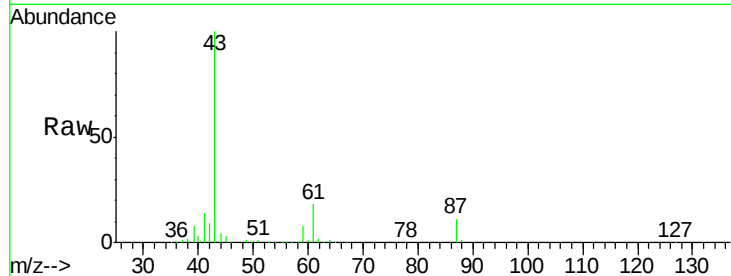
ClientSampleId :

VN0826WBSD02

Tot Ion:	43	Resp:	209161
Ion	Ratio	Lower	Upper
43	100		
61	18.4	14.5	21.7
87	10.6	8.6	12.8

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#44

Trichloroethene

Concen: 18.429 ug/l

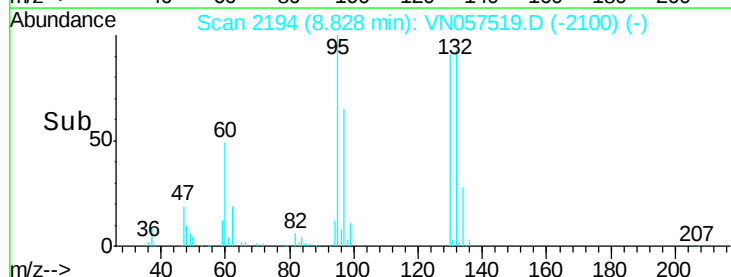
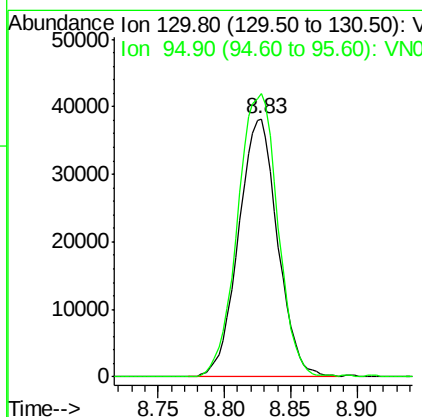
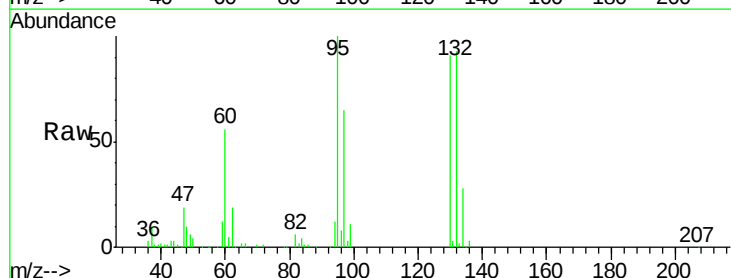
RT: 8.83 min Scan# 2194

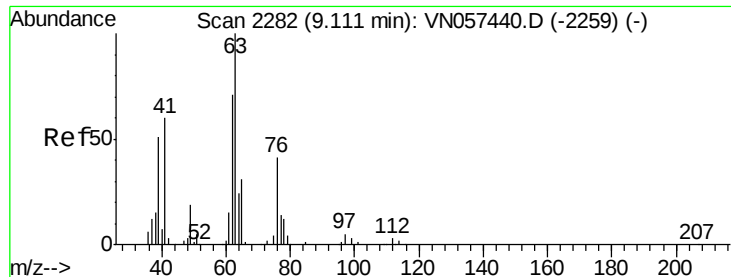
Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	130	Resp:	78336
Ion	Ratio	Lower	Upper
130	100		
95	109.8	0.0	231.6





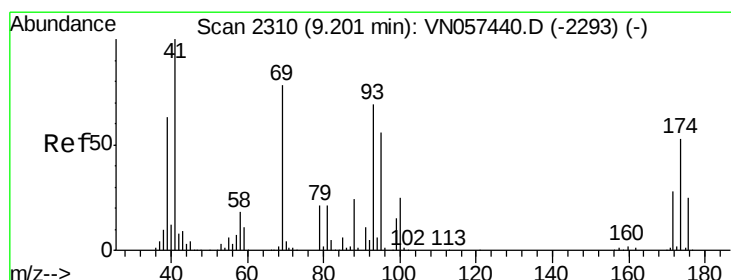
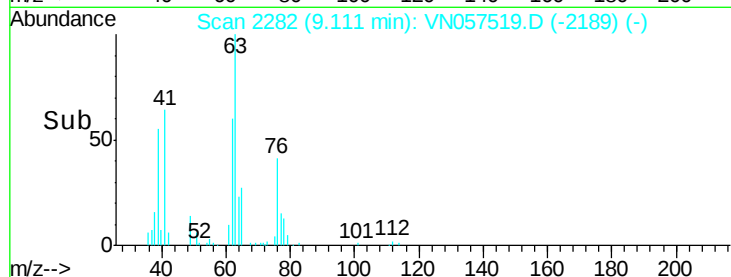
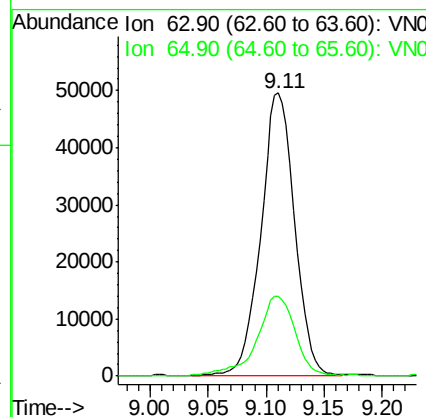
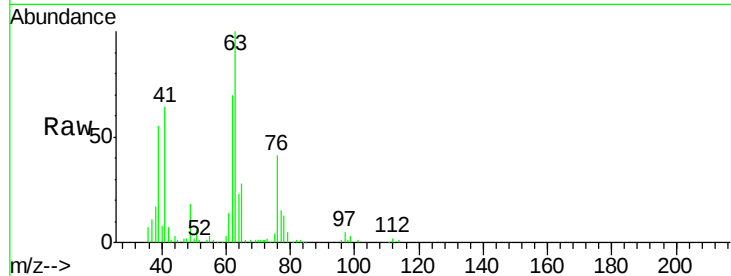
#45
 1,2-Dichloropropane
 Concen: 18.779 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion: 63 Resp: 100709
 Ion Ratio Lower Upper
 63 100
 65 27.6 24.7 37.1

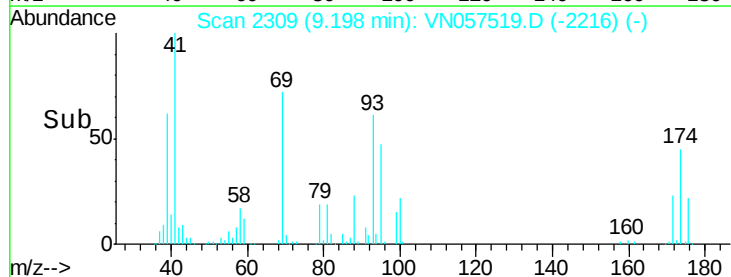
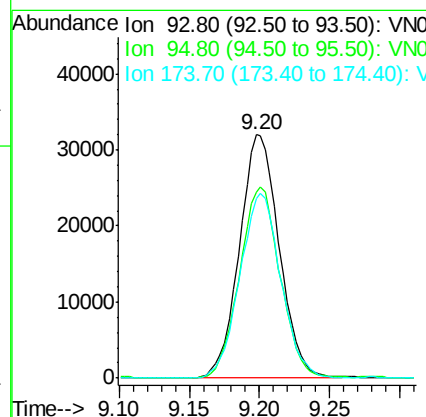
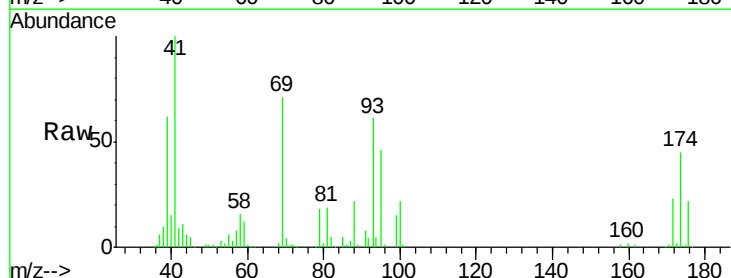
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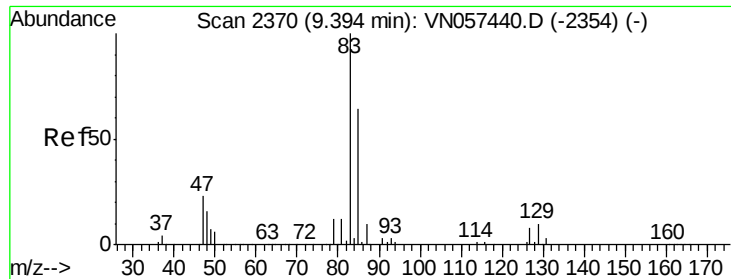
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#46
 Dibromomethane
 Concen: 19.850 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion: 93 Resp: 63105
 Ion Ratio Lower Upper
 93 100
 95 80.4 64.7 97.1
 174 78.2 62.3 93.5





#47

Bromodichloromethane

Concen: 17.977 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

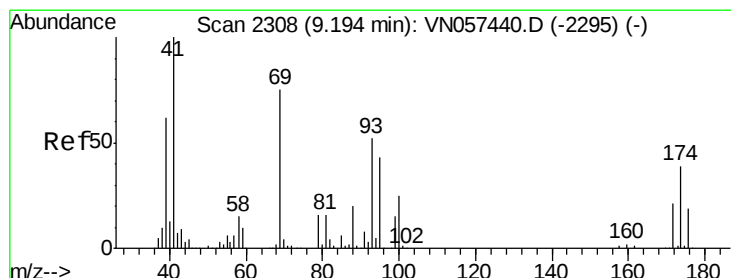
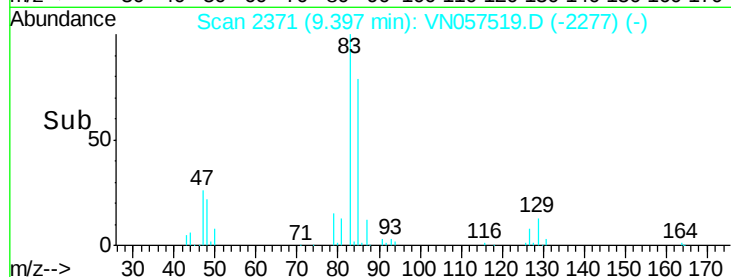
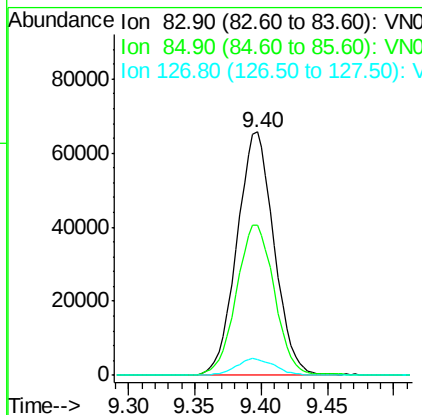
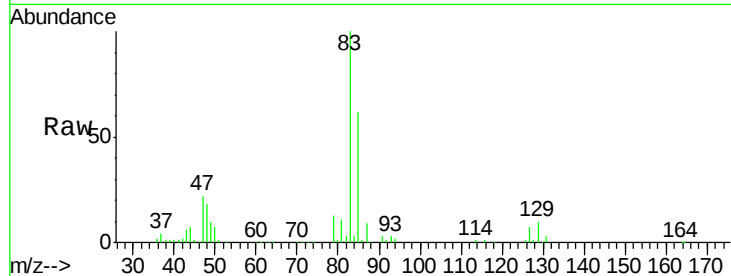
ClientSampleId :

VN0826WBSD02

Tot Ion:	83	Resp:	127188
Ion Ratio	Lower	Upper	
83	100		
85	61.6	51.2	76.8
127	6.6	6.6	10.0

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#48

Methyl methacrylate

Concen: 18.526 ug/l

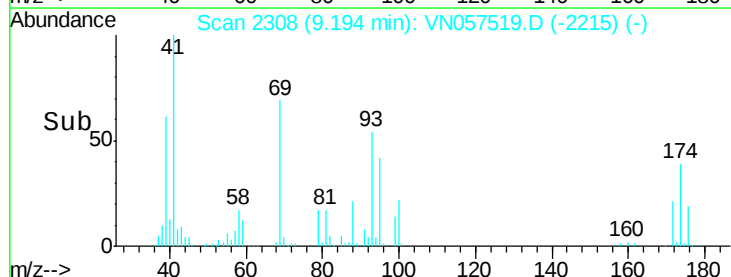
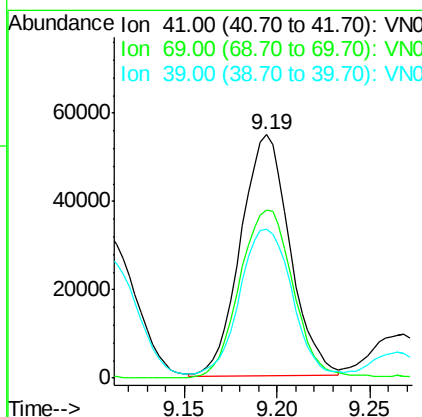
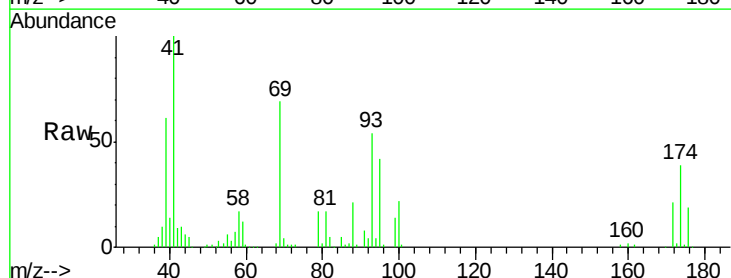
RT: 9.19 min Scan# 2308

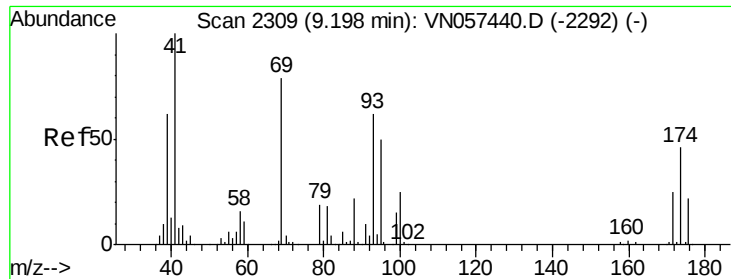
Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	41	Resp:	101264
Ion Ratio	Lower	Upper	
41	100		
69	75.7	59.3	88.9
39	65.4	50.6	75.8





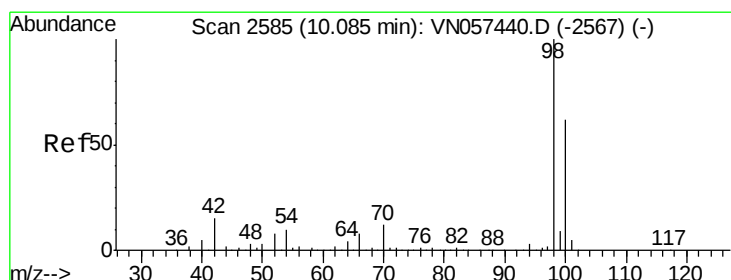
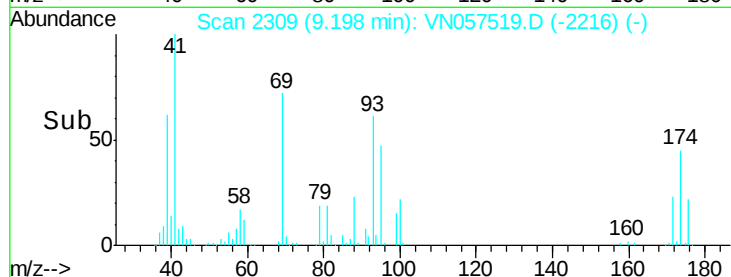
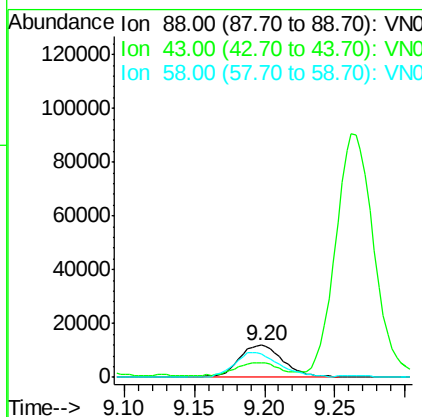
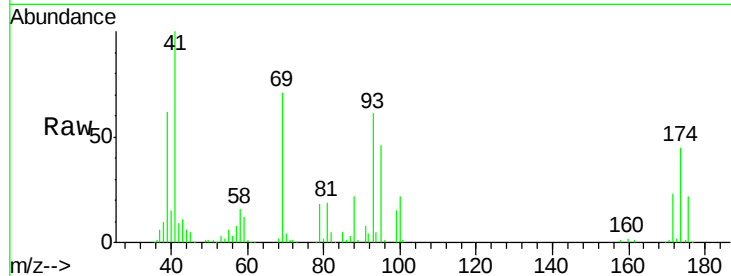
#49
1,4-Dioxane
Concen: 375.170 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26519		
43	41.3		31.0	46.6
58	79.4		64.5	96.7

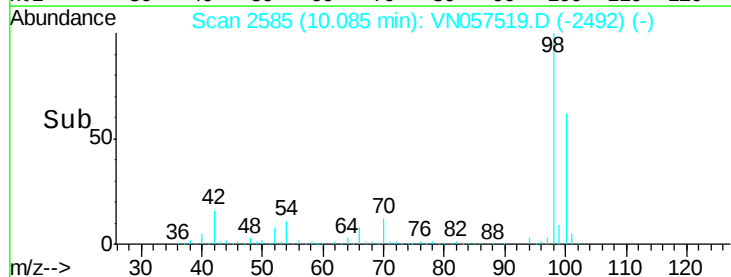
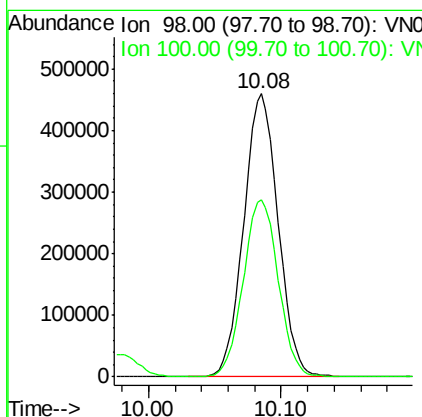
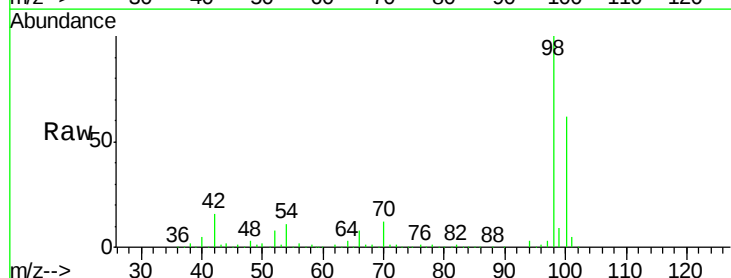
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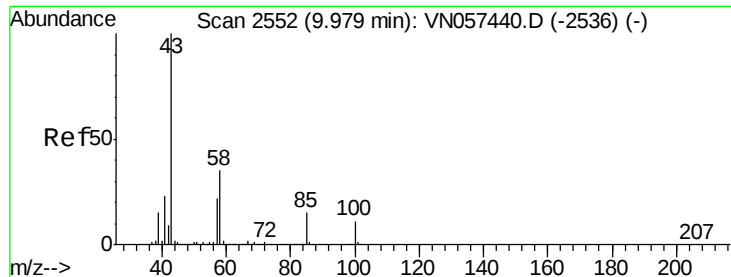
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#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	827407		
100	63.4		50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 94.808 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 43 Resp: 607379

Ion Ratio Lower Upper

43 100

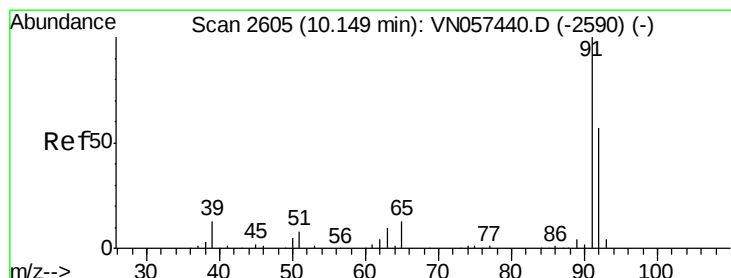
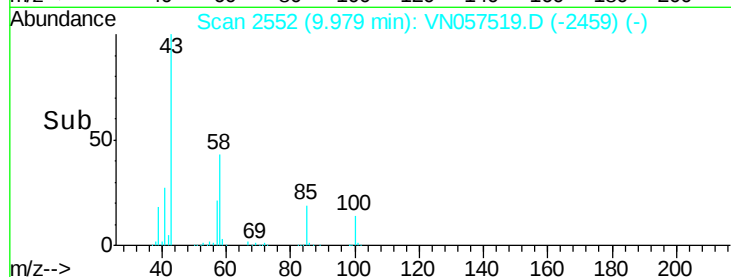
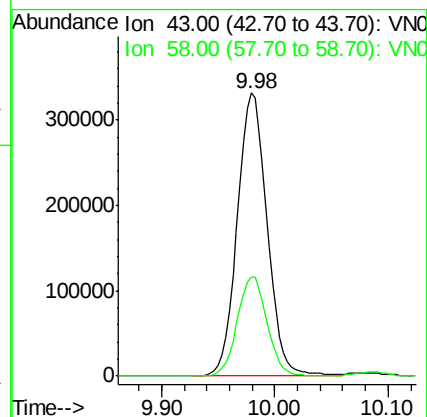
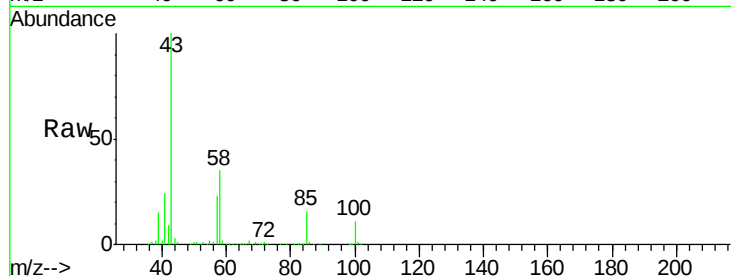
58 35.3 27.9 41.9

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#52

Toluene

Concen: 19.291 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057519.D

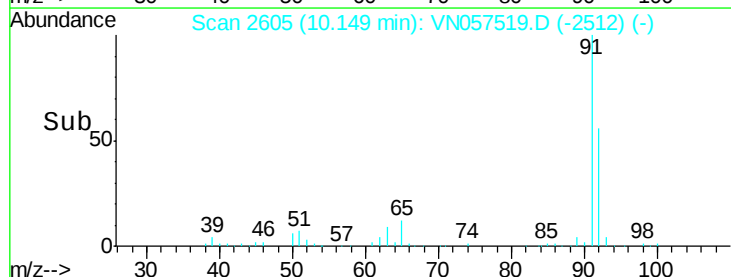
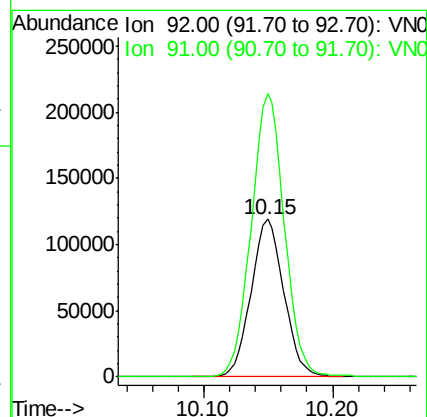
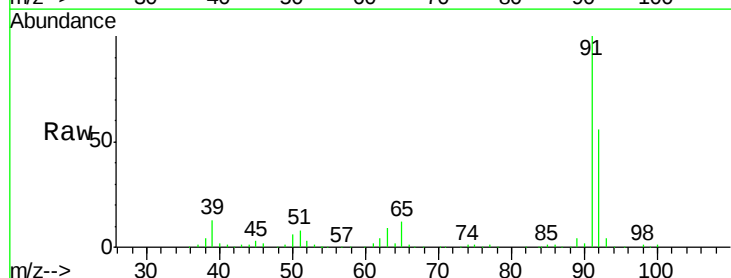
Acq: 26 Aug 2019 19:05

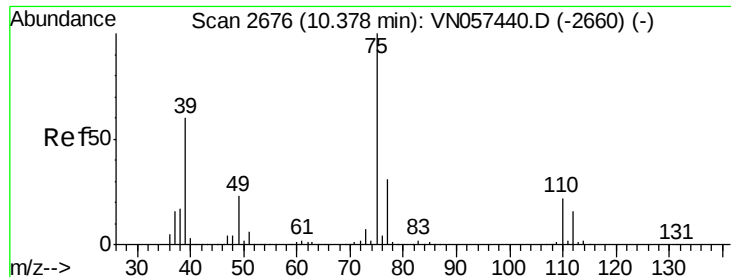
Tgt Ion: 92 Resp: 211720

Ion Ratio Lower Upper

92 100

91 180.4 140.9 211.3





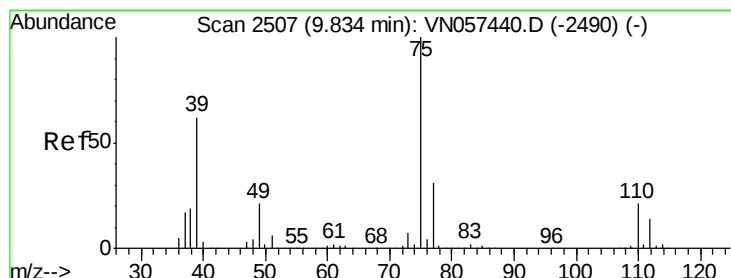
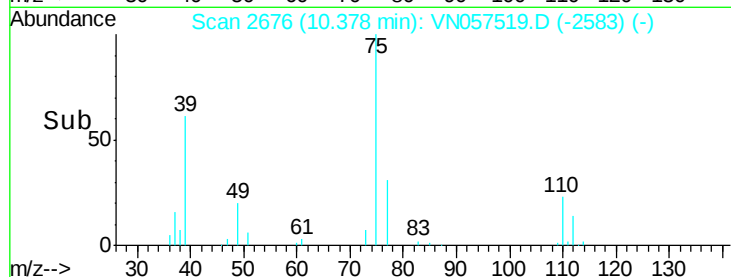
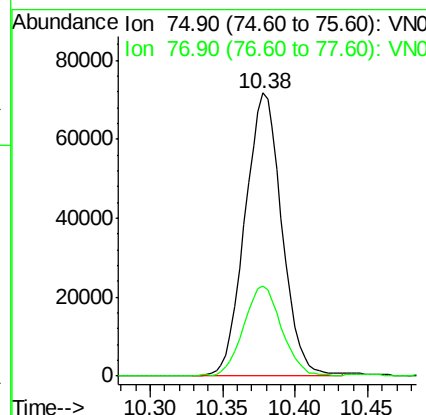
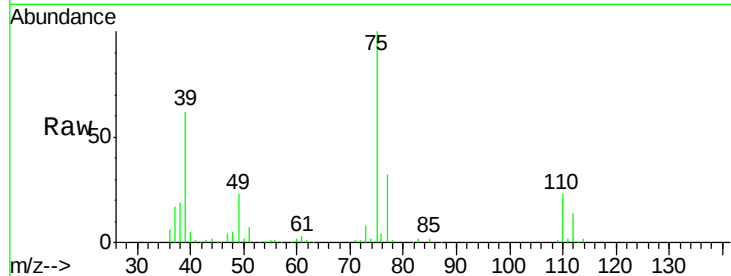
#53
t-1,3-Dichloropropene
Concen: 17.145 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion: 75 Resp: 127056
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6

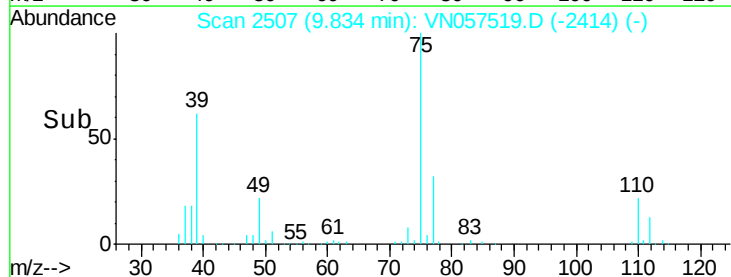
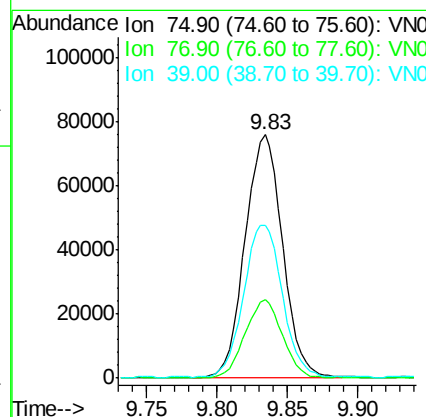
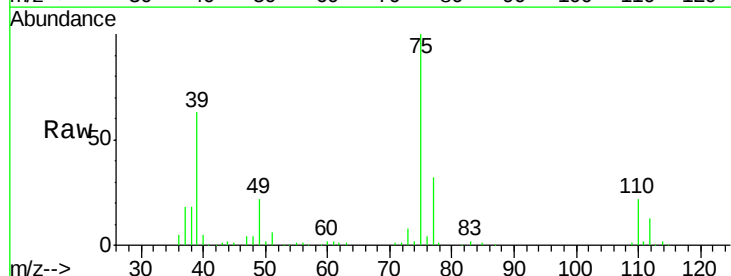
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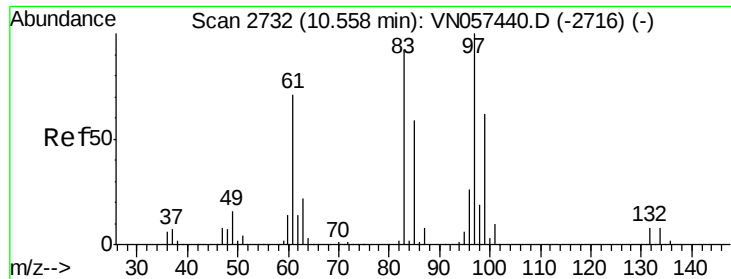
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#54
cis-1,3-Dichloropropene
Concen: 17.188 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 75 Resp: 141820
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6
39 62.4 49.2 73.8





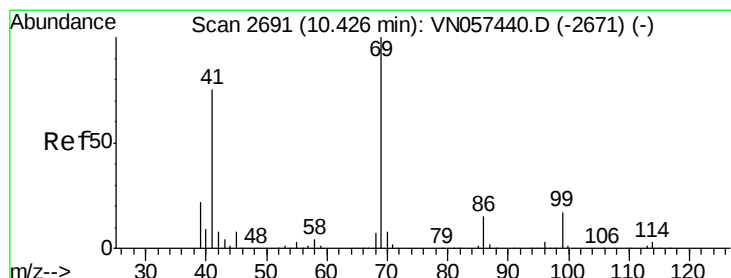
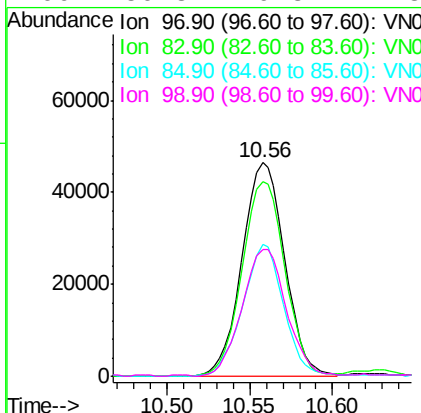
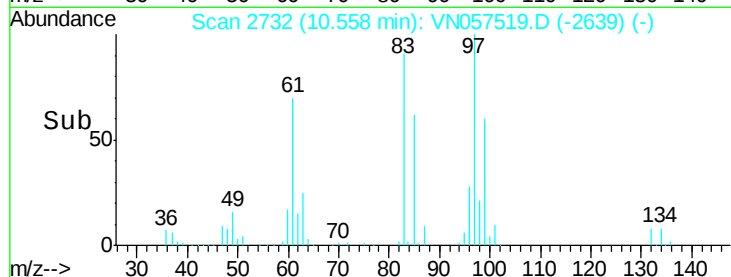
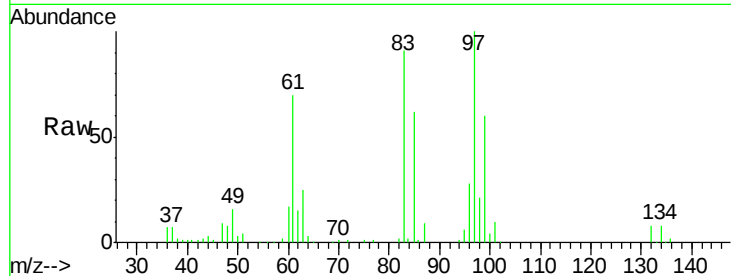
#55
 1,1,2-Trichloroethane
 Concen: 18.712 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion:	97	Resp:	83051
Ion	Ratio	Lower	Upper
97	100		
83	91.4	73.7	110.5
85	61.8	46.8	70.2
99	59.3	49.8	74.8

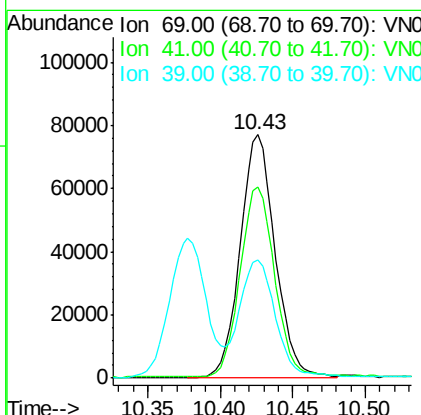
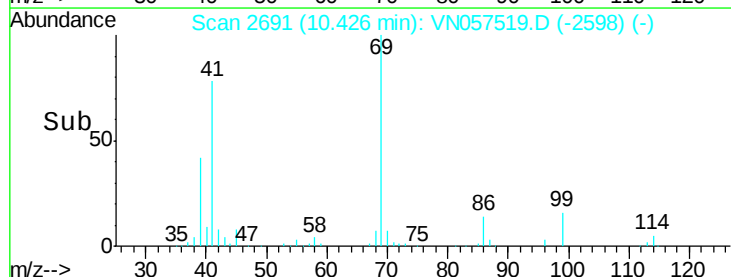
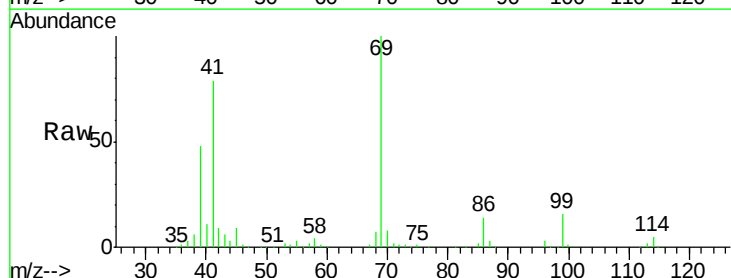
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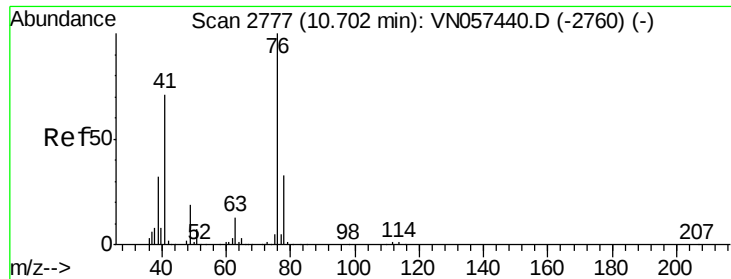
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#56
 Ethyl methacrylate
 Concen: 18.538 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:	69	Resp:	129428
Ion	Ratio	Lower	Upper
69	100		
41	77.0	60.8	91.2
39	48.7	36.5	54.7





#57

1,3-Dichloropropane

Concen: 18.984 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 76 Resp: 146642

Ion Ratio Lower Upper

76 100

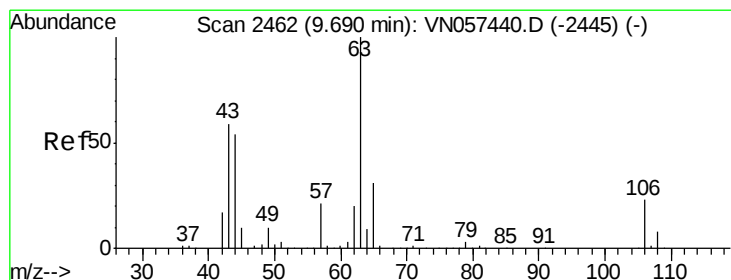
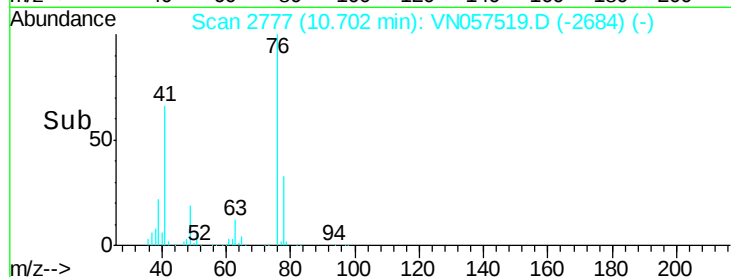
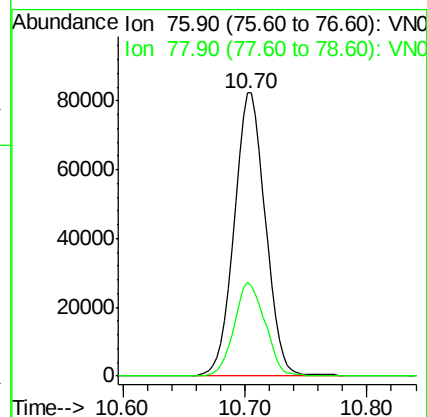
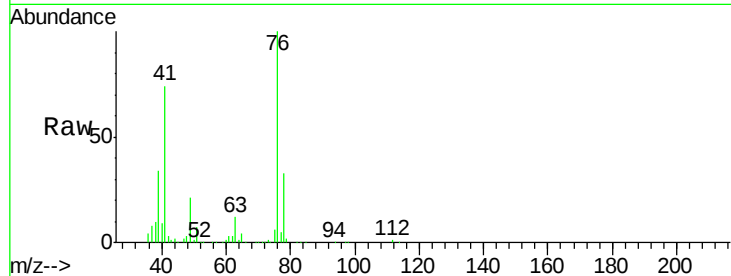
78 32.8 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 114.073 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057519.D

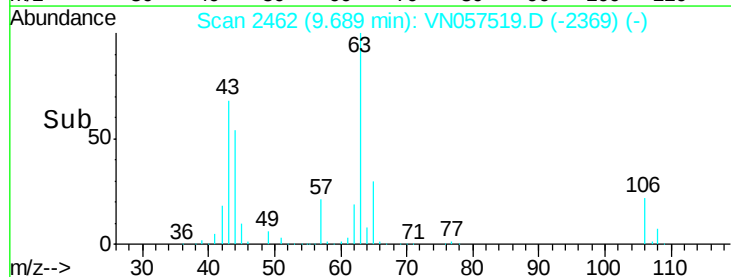
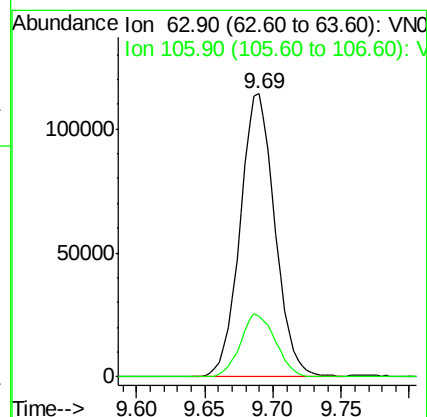
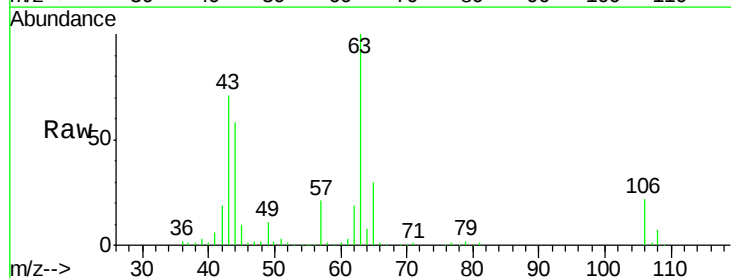
Acq: 26 Aug 2019 19:05

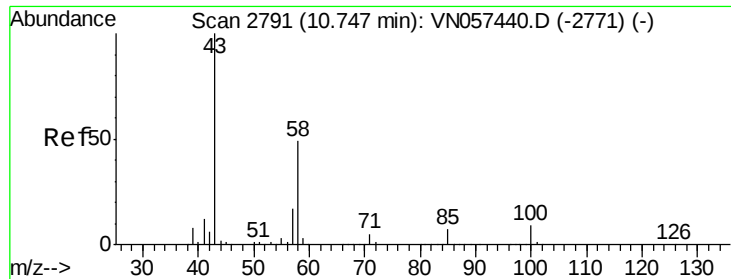
Tgt Ion: 63 Resp: 202448

Ion Ratio Lower Upper

63 100

106 22.4 18.6 27.8





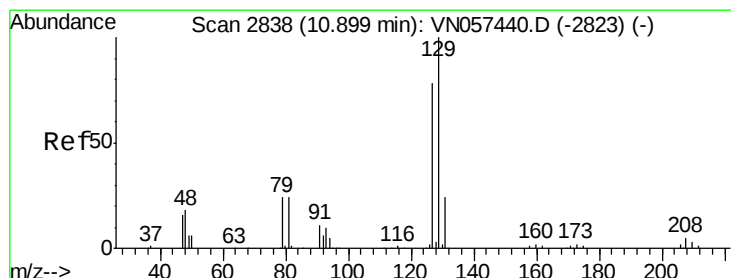
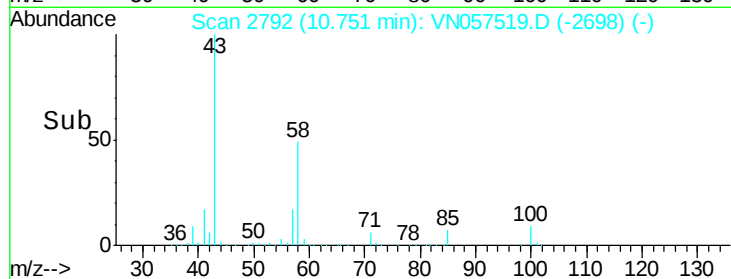
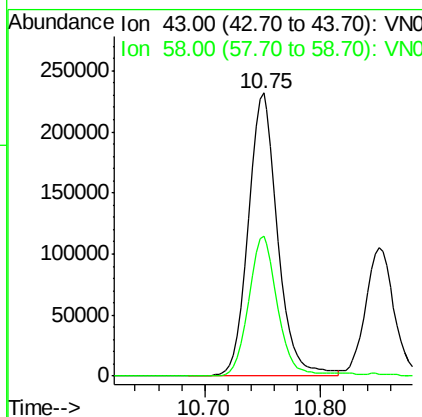
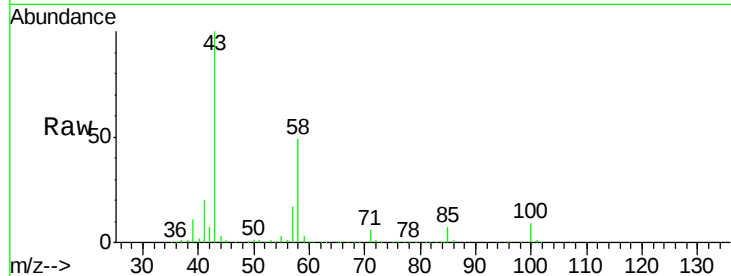
#59
2-Hexanone
Concen: 92.753 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion: 43 Resp: 407562
Ion Ratio Lower Upper
43 100
58 48.5 24.6 73.6

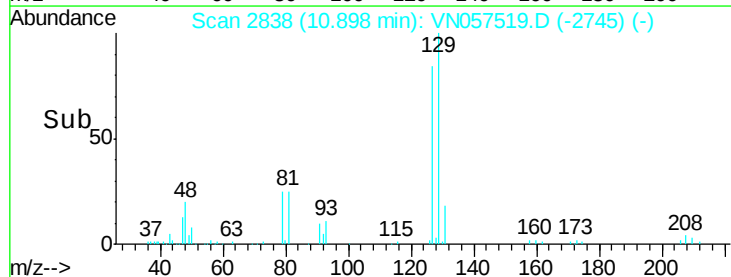
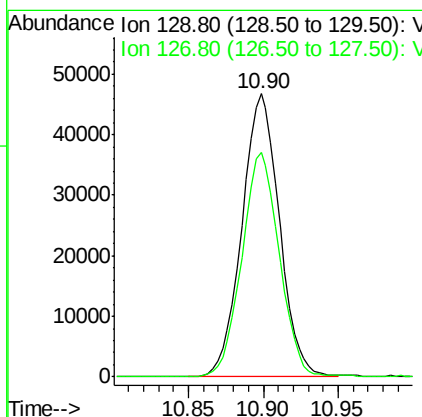
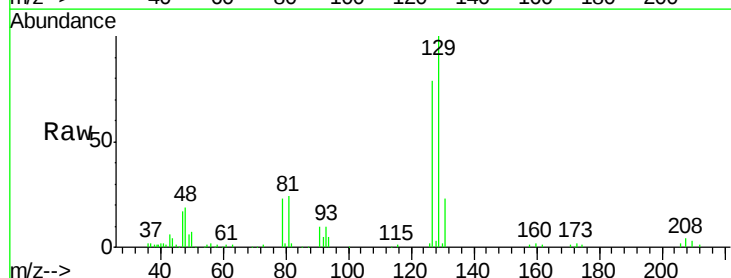
Manual Integrations
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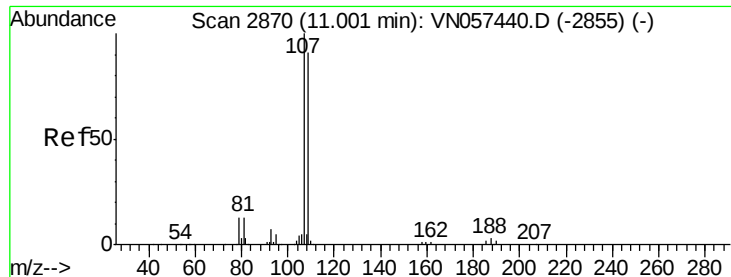
MMDadoda
8/27/2019 5:30:45 PM



#60
Dibromochloromethane
Concen: 17.390 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion: 129 Resp: 81564
Ion Ratio Lower Upper
129 100
127 79.2 39.0 116.9





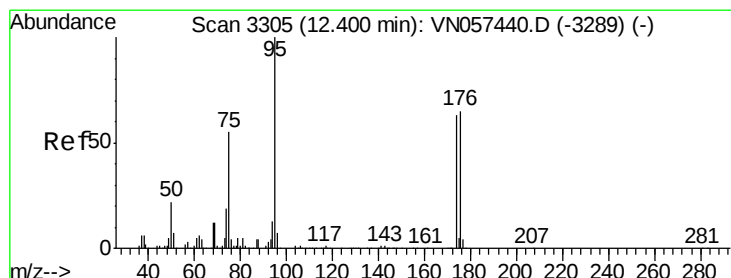
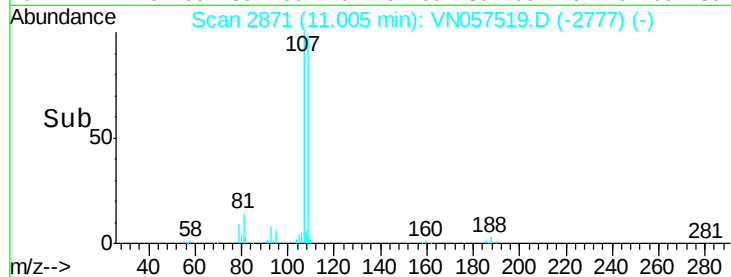
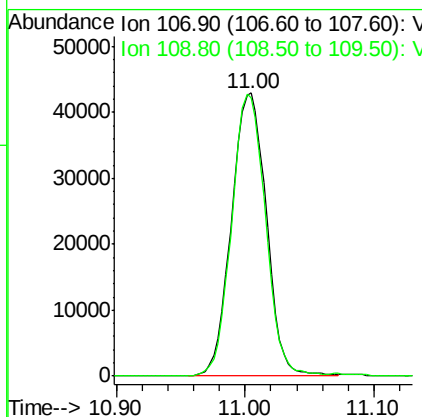
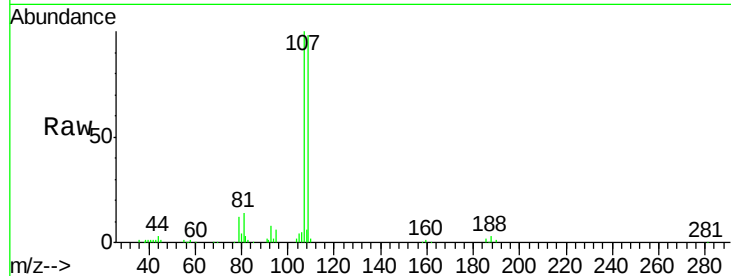
#61
 1,2-Dibromoethane
 Concen: 18.572 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.5	73.8	110.8

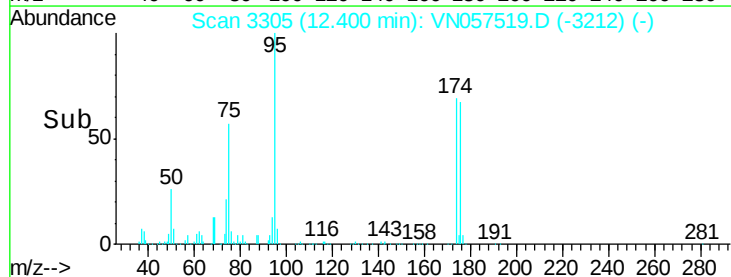
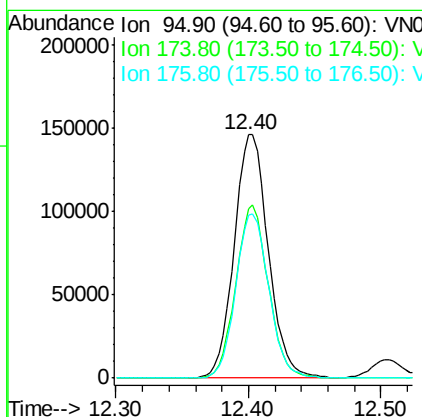
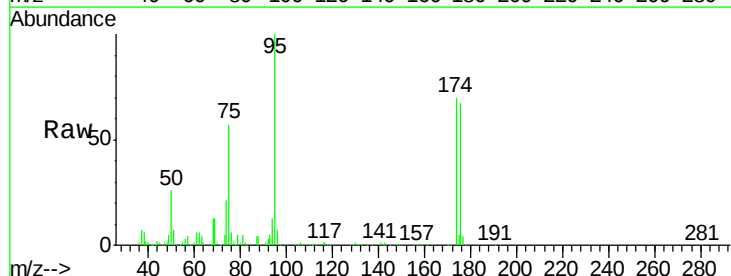
Manual Integrations
 APPROVED

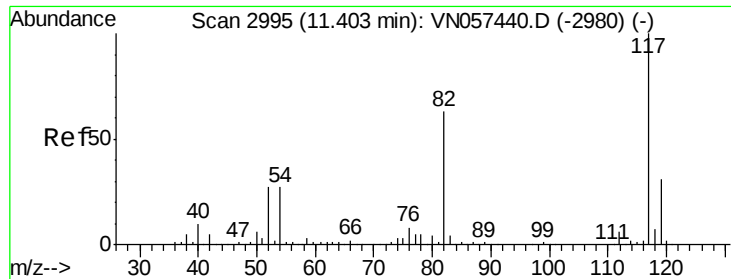
MMDadoda
 8/27/2019 5:30:45 PM



#62
 4-Bromofluorobenzene
 Concen: 48.607 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.8	0.0	133.0
176	65.8	0.0	130.8





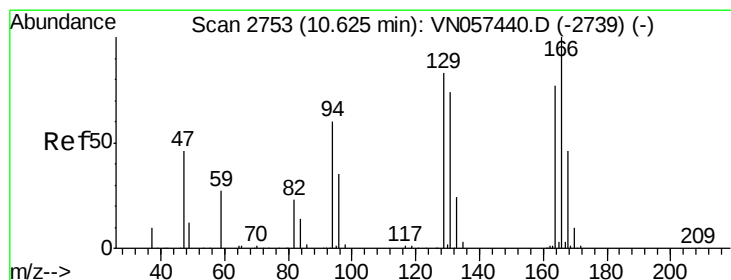
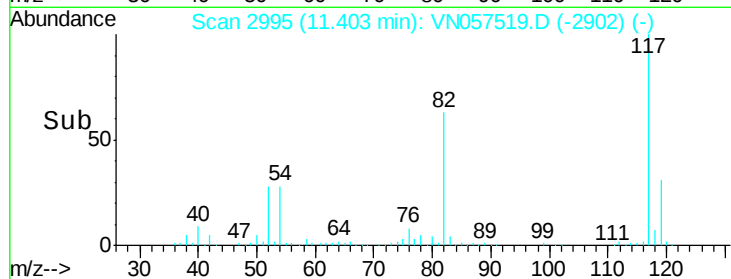
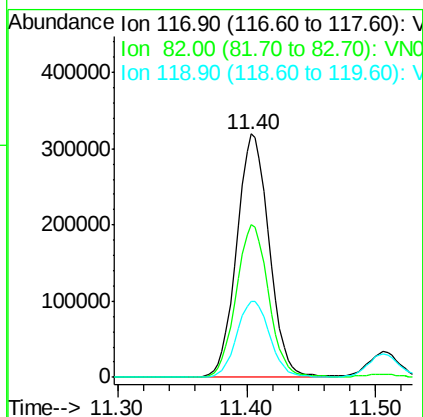
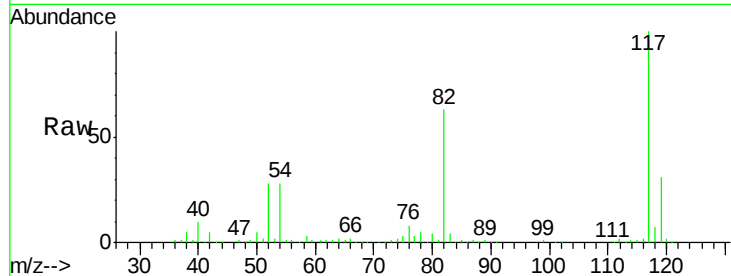
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	50.6	75.8
119	30.9	24.6	36.8

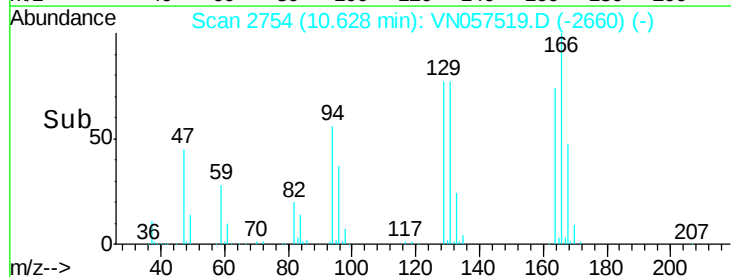
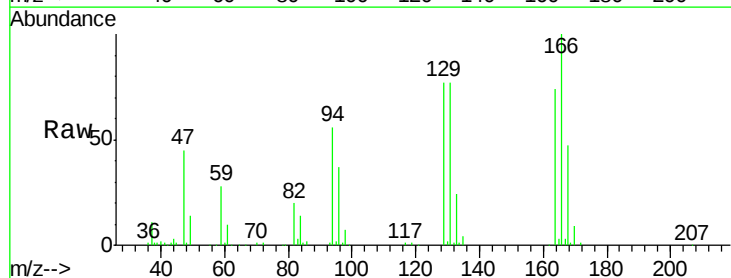
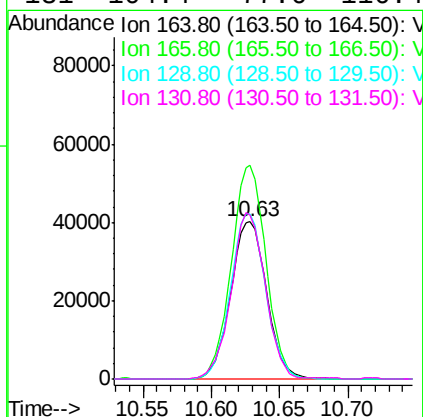
Manual Integrations
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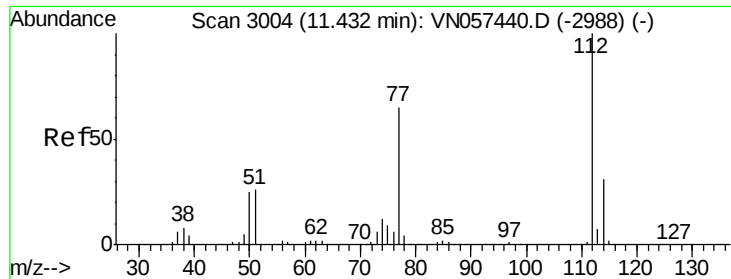
MMDadoda
8/27/2019 5:30:45 PM



#64
Tetrachloroethene
Concen: 18.769 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.7	104.4	156.6
129	104.8	86.6	130.0
131	104.4	77.6	116.4





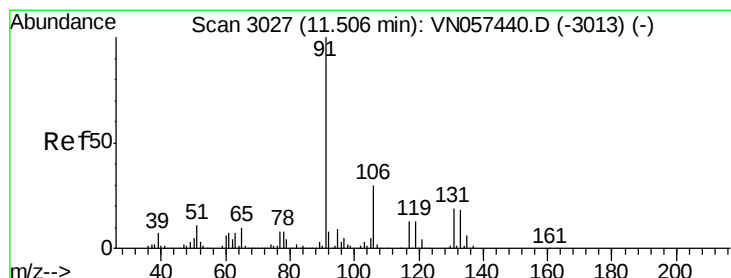
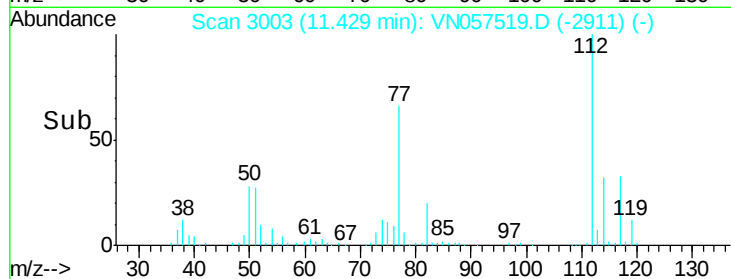
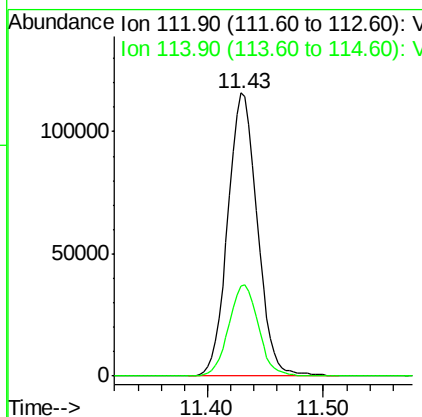
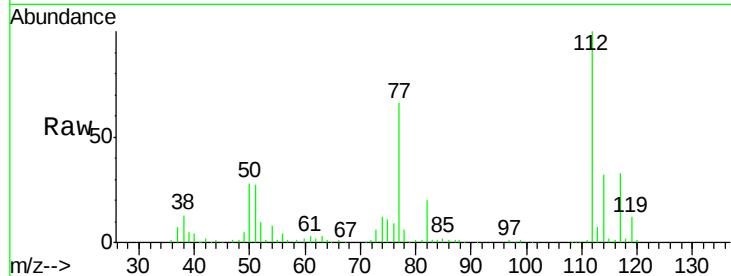
#65
Chlorobenzene
Concen: 18.102 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion:112 Resp: 204924
Ion Ratio Lower Upper
112 100
114 32.1 24.8 37.2

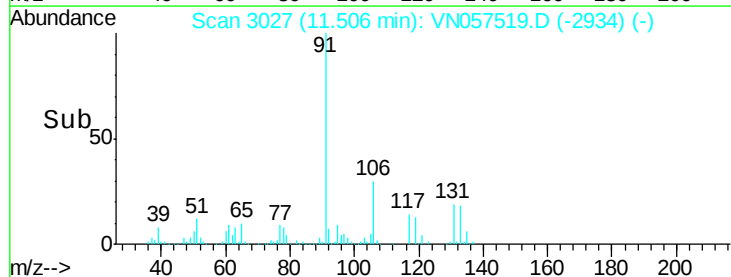
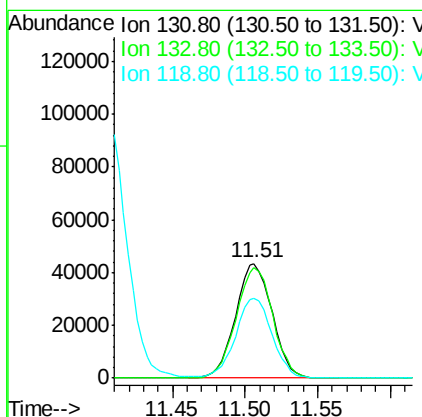
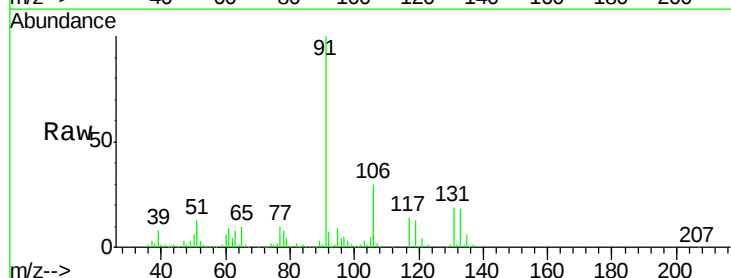
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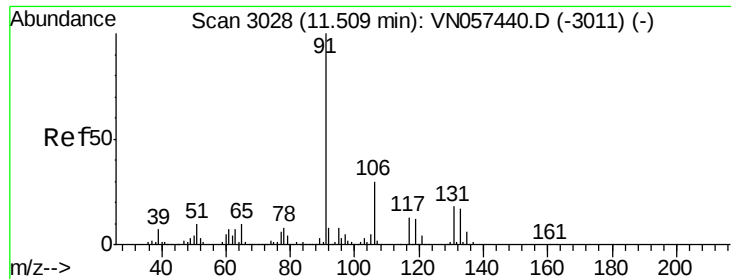
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.589 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion:131 Resp: 76360
Ion Ratio Lower Upper
131 100
133 96.6 47.6 142.8
119 69.5 34.4 103.2





#67

Ethyl Benzene

Concen: 18.036 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampled :

VN0826WBSD02

Tot Ion: 91 Resp: 395186

Ion Ratio Lower Upper

91 100

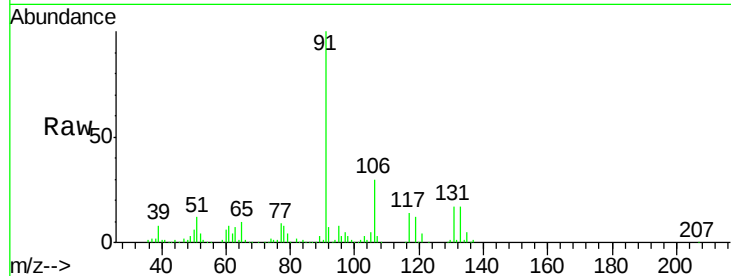
106 30.0 24.1 36.1

Manual Integrations

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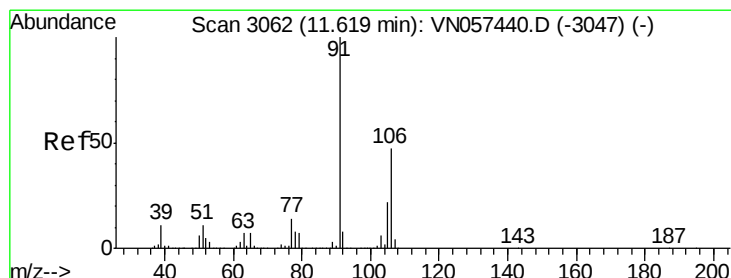
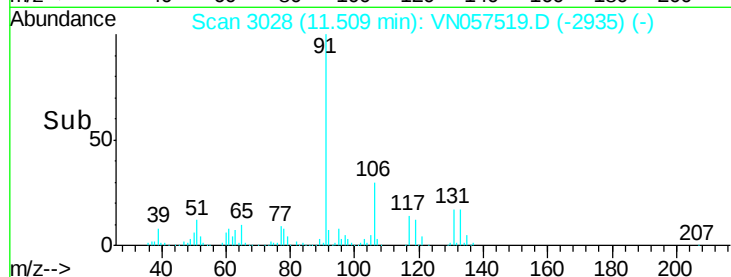
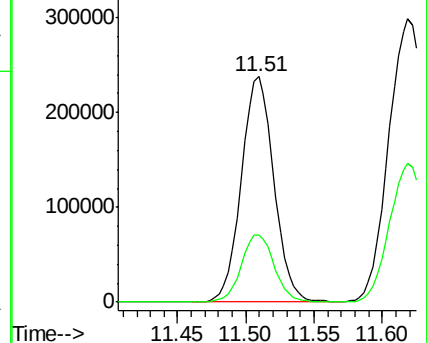
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.279 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057519.D

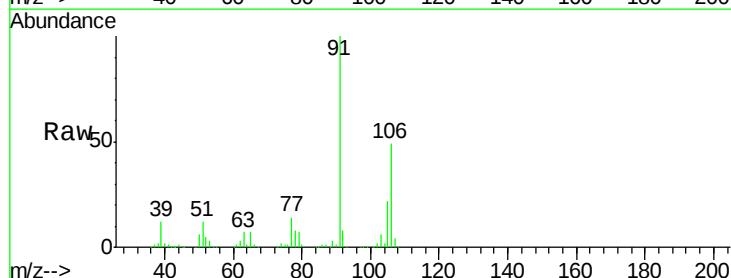
Acq: 26 Aug 2019 19:05

Tgt Ion: 106 Resp: 277791

Ion Ratio Lower Upper

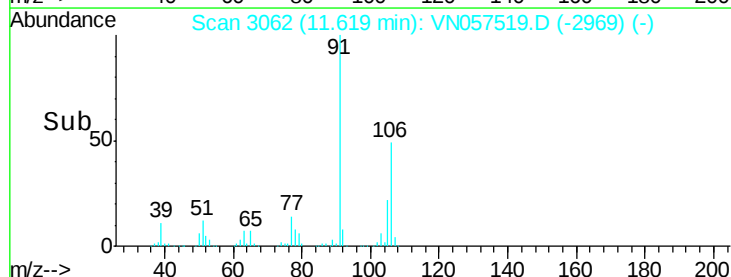
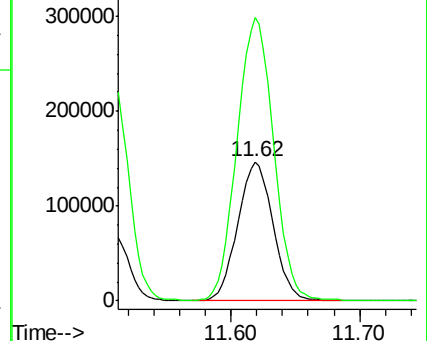
106 100

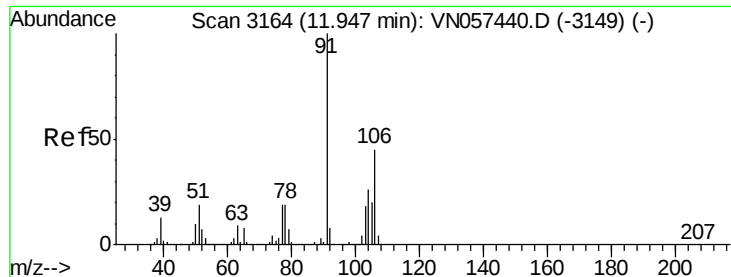
91 212.1 171.8 257.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





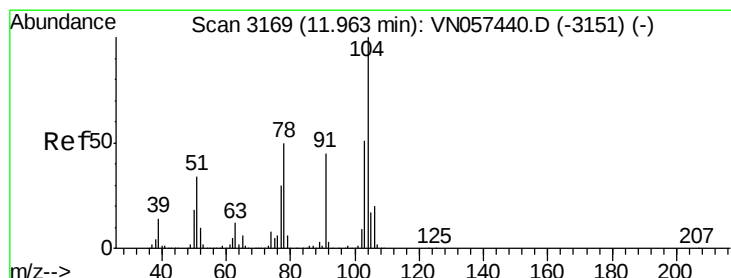
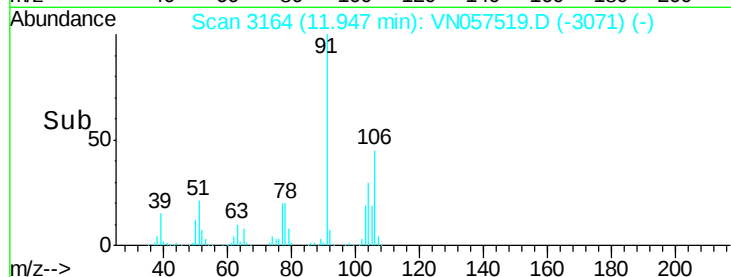
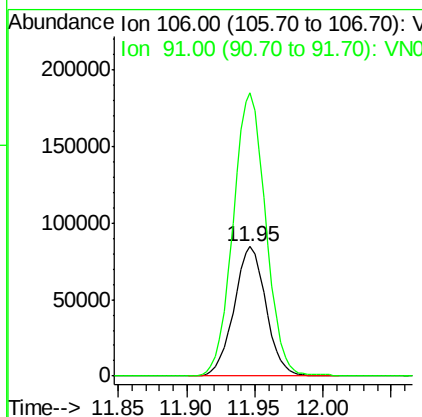
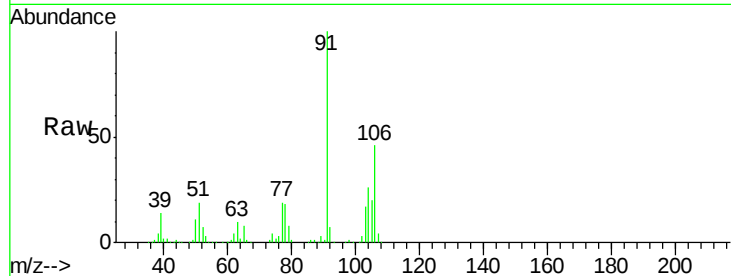
#69
o-Xylene
Concen: 18.654 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		137698		
91	223.3	112.3	336.9		

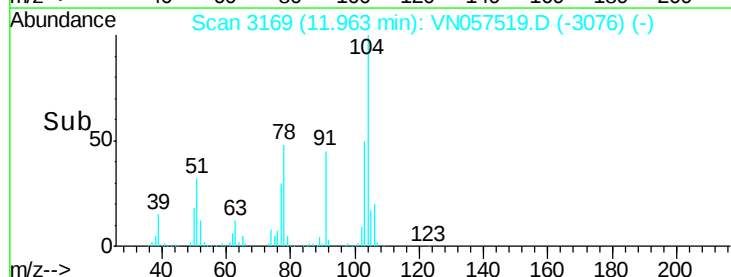
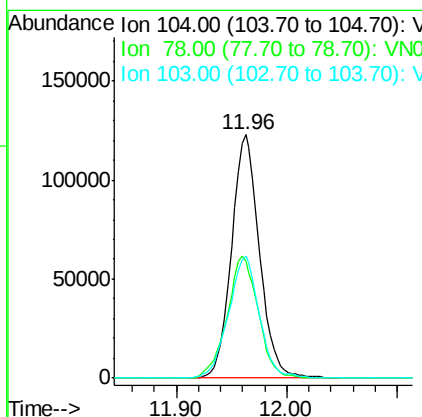
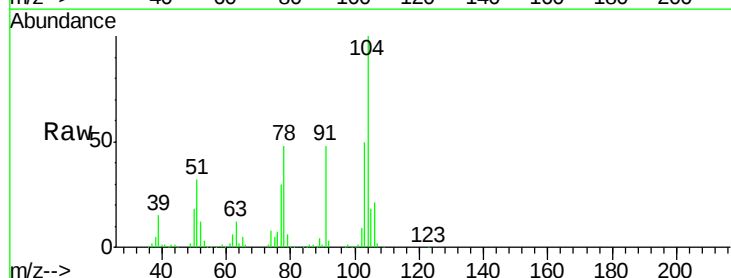
Manual Integrations
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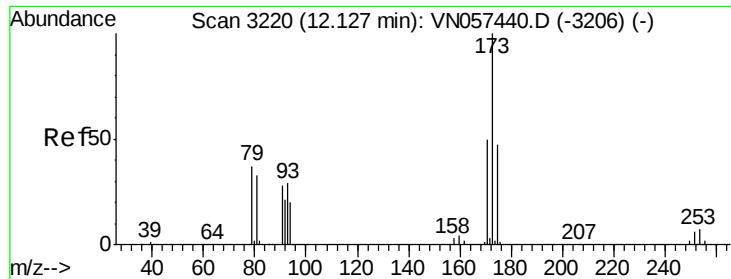
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#70
Styrene
Concen: 18.442 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		215562		
78	55.7	44.7	67.1		
103	55.2	44.4	66.6		





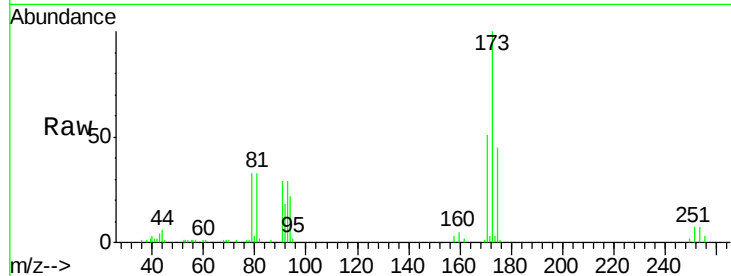
#71
Bromoform
Concen: 15.667 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

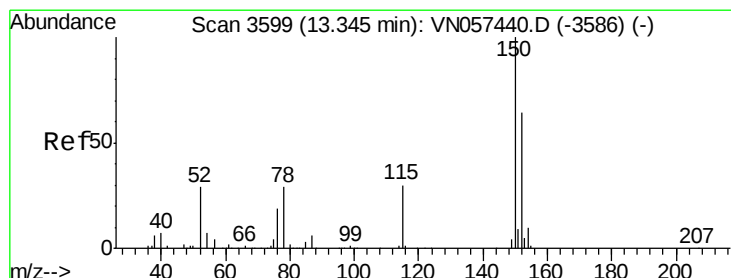
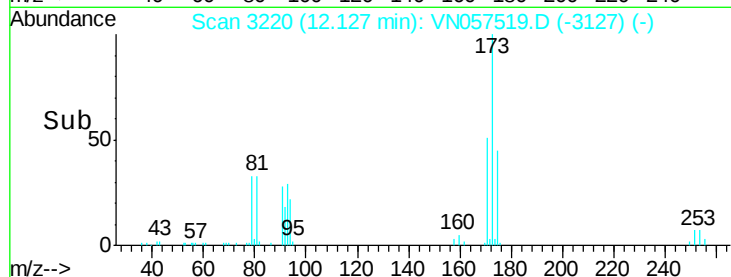
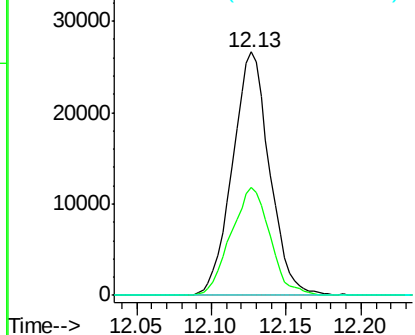
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.6	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
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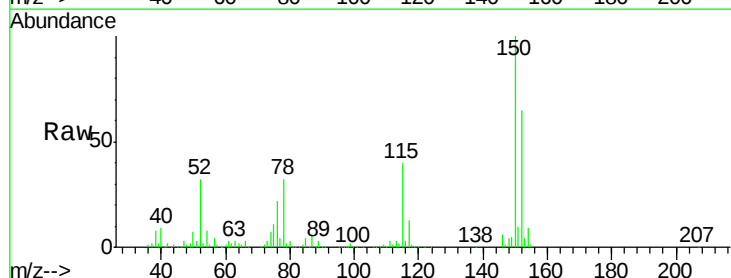


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

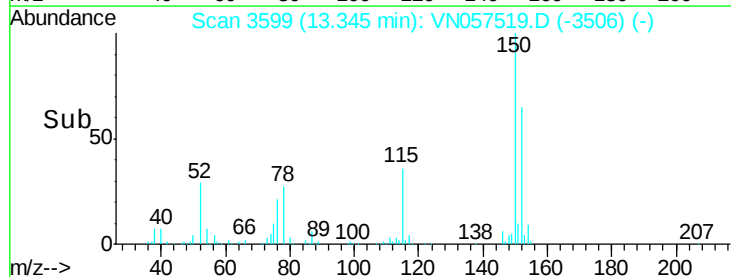
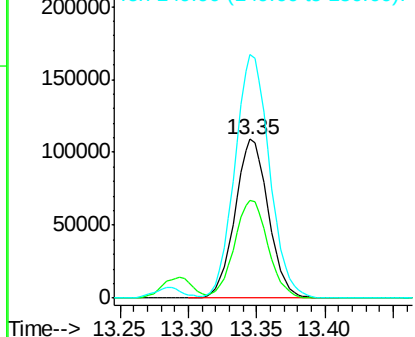


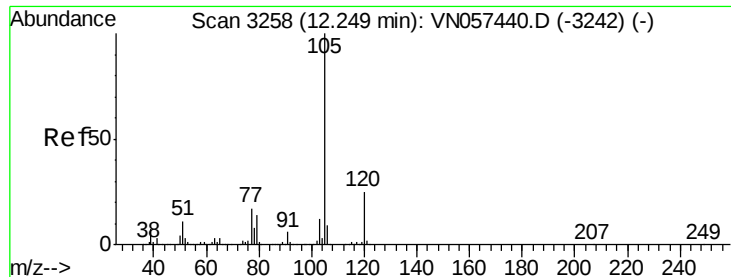
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.0	96.0
150	159.3	0.0	346.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.180 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 105 Resp: 370306

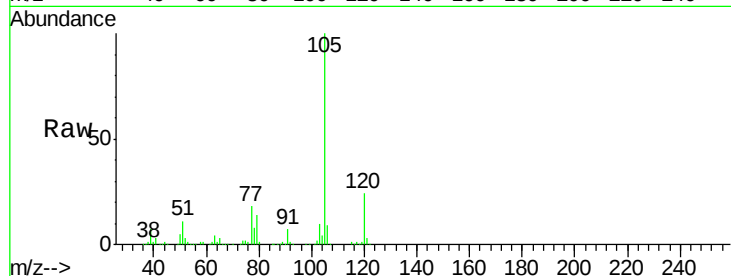
Ion Ratio Lower Upper

105 100

120 25.0 12.7 38.0

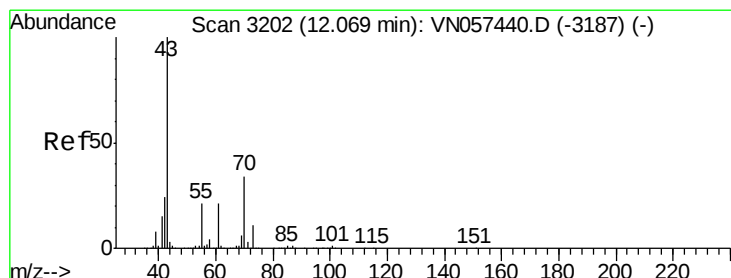
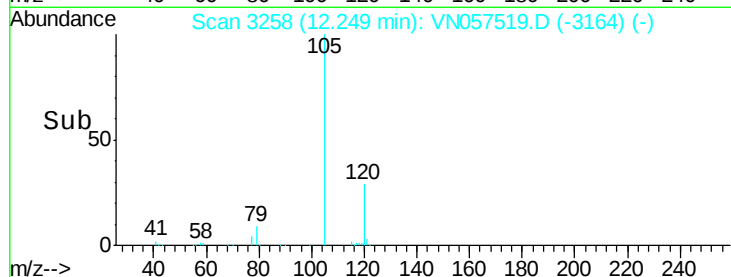
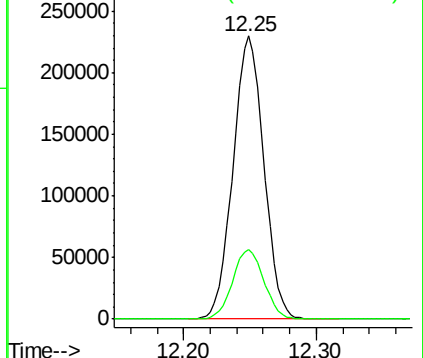
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.334 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion: 43 Resp: 165653

Ion Ratio Lower Upper

43 100

70 35.1 27.8 41.6

55 22.2 17.0 25.4

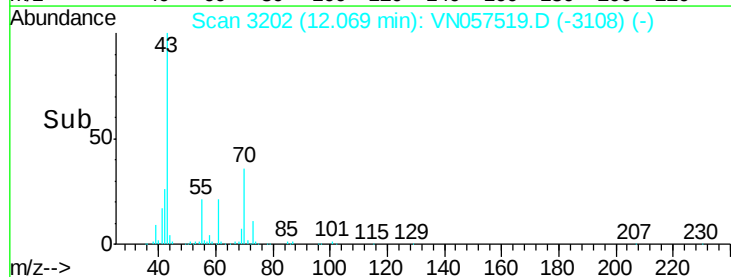
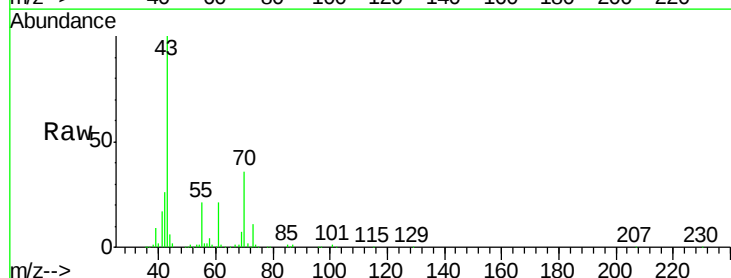
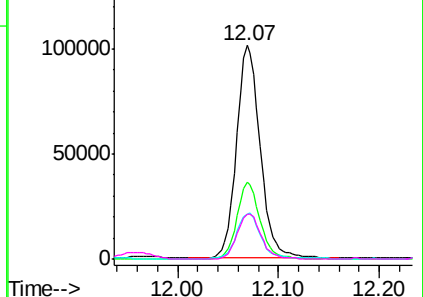
61 21.4 17.0 25.6

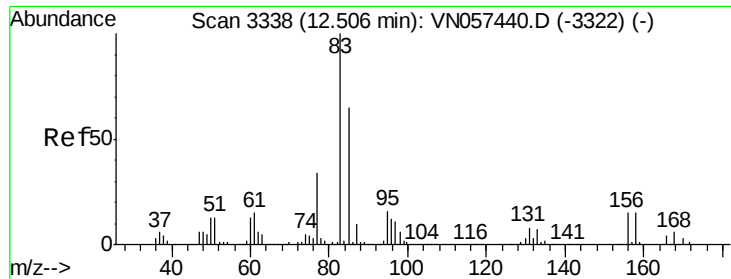
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.898 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 83 Resp: 109485

Ion Ratio Lower Upper

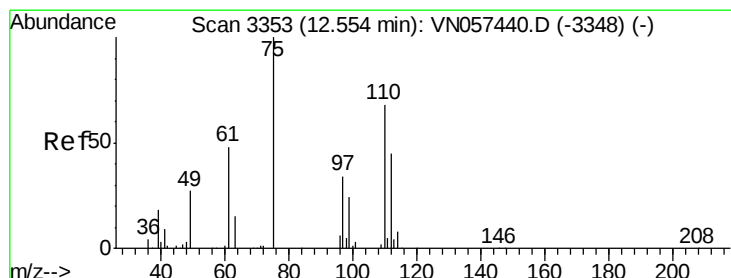
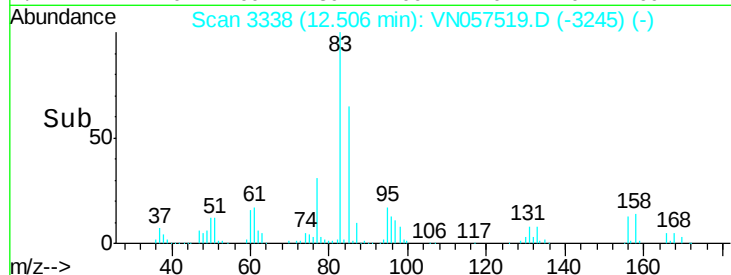
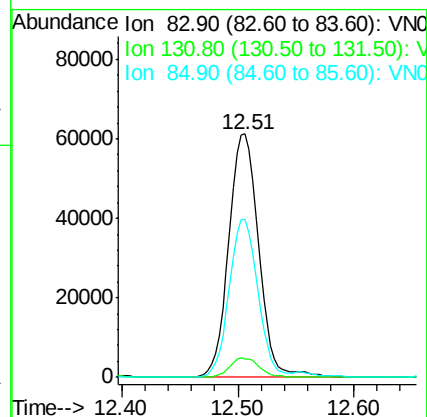
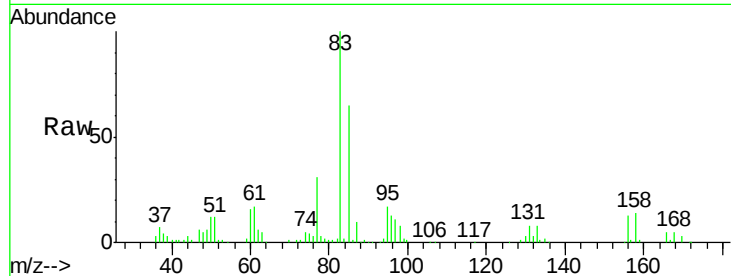
83 100

131 7.9 4.3 13.1

85 61.9 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.263 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057519.D

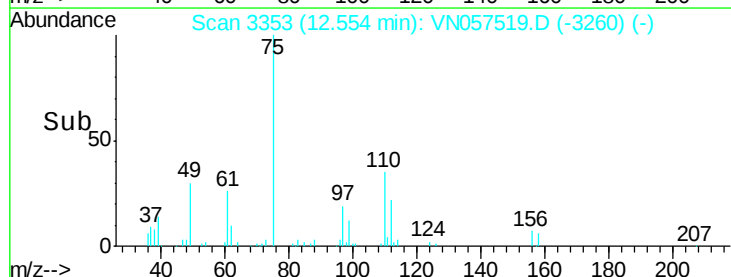
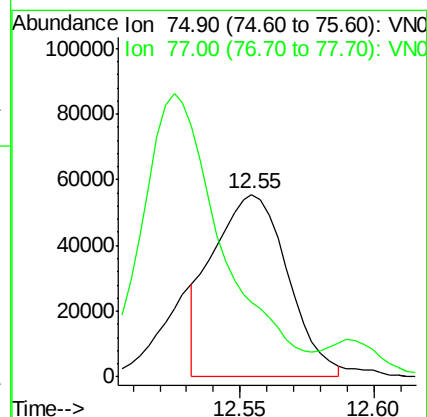
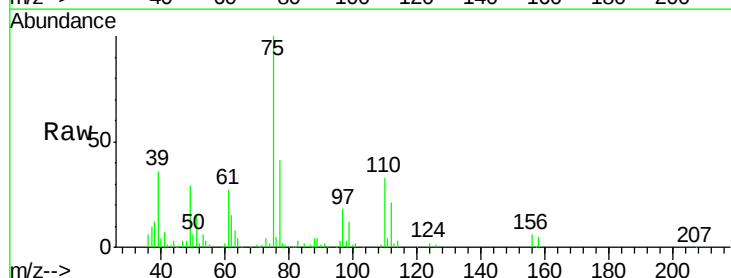
Acq: 26 Aug 2019 19:05

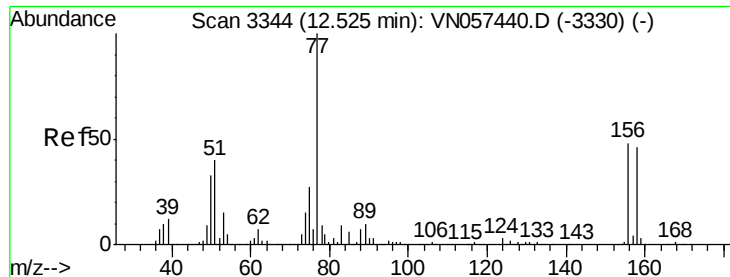
Tgt Ion: 75 Resp: 107332

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.890 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion:156 Resp: 70608

Ion Ratio Lower Upper

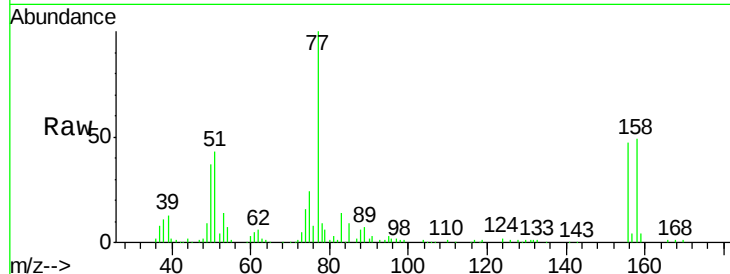
156 100

77 257.3 124.4 373.3

158 103.1 48.3 144.8

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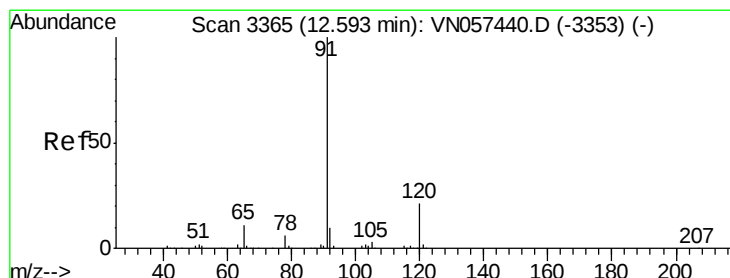
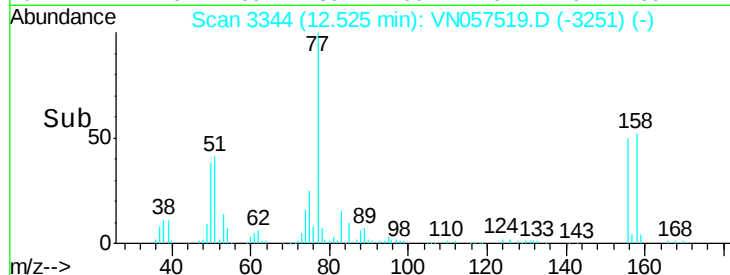
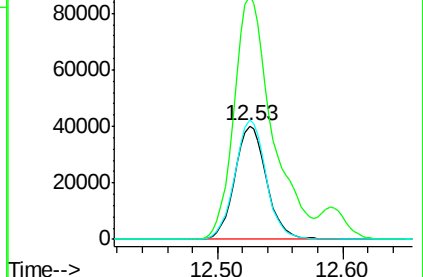
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.748 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057519.D

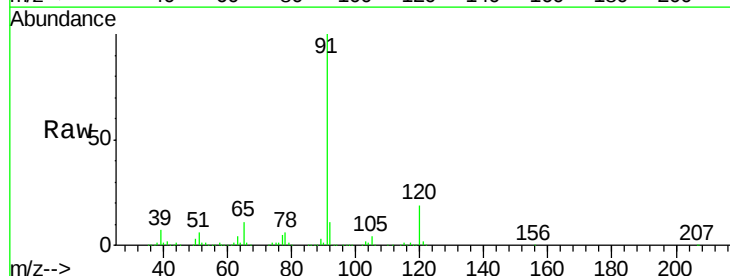
Acq: 26 Aug 2019 19:05

Tgt Ion: 91 Resp: 400094

Ion Ratio Lower Upper

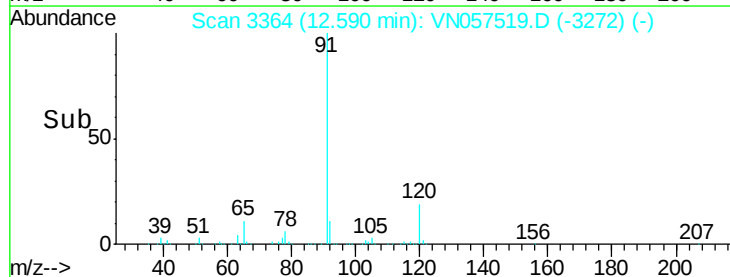
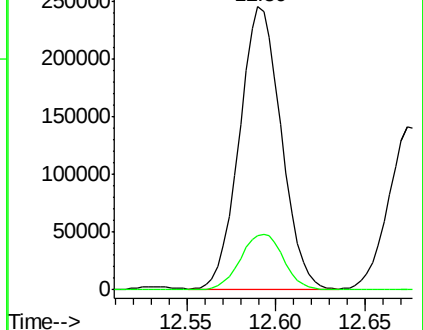
91 100

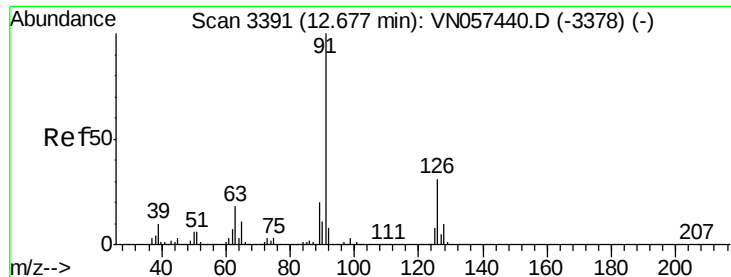
120 20.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.375 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion: 91 Resp: 235639

Ion Ratio Lower Upper

91 100

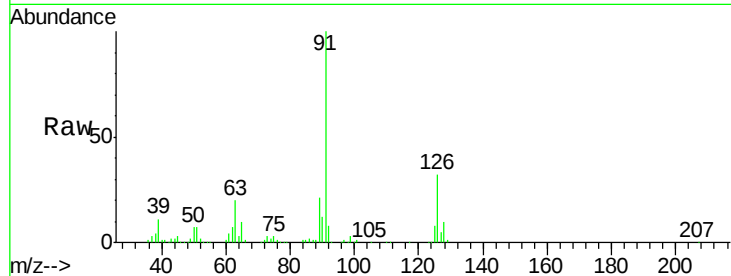
126 32.5 15.3 45.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN057519.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN057519.D (-3390) (-)

200000

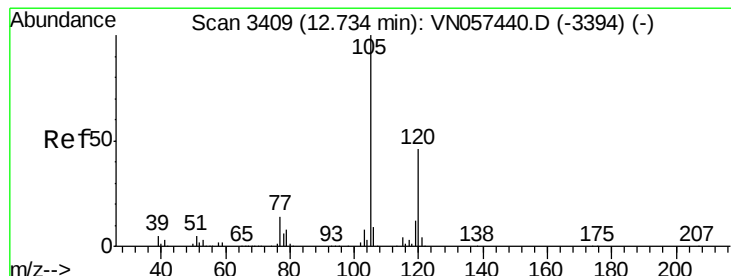
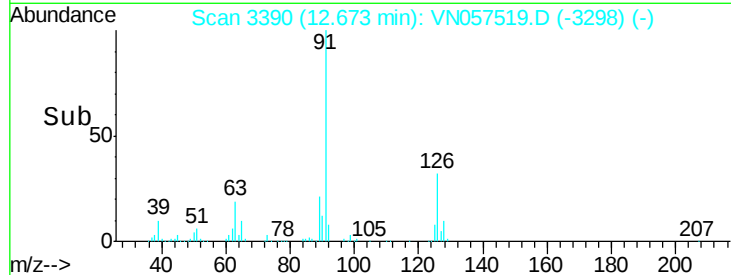
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.152 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057519.D

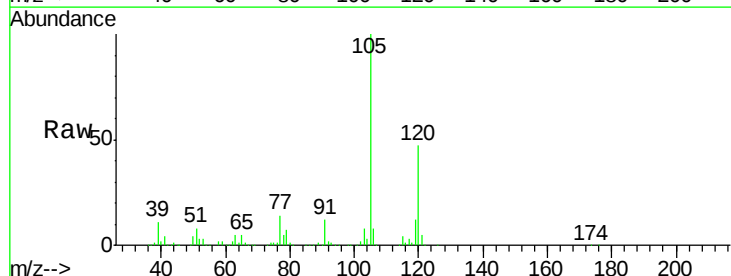
Acq: 26 Aug 2019 19:05

Tgt Ion: 105 Resp: 299707

Ion Ratio Lower Upper

105 100

120 46.2 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057519.D (-3409) (-)

Ion 120.00 (119.70 to 120.70): VN057519.D (-3409) (-)

200000

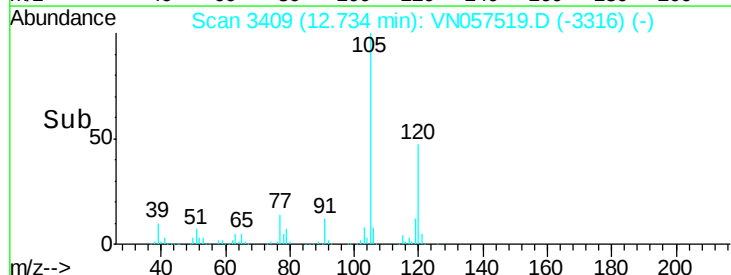
150000

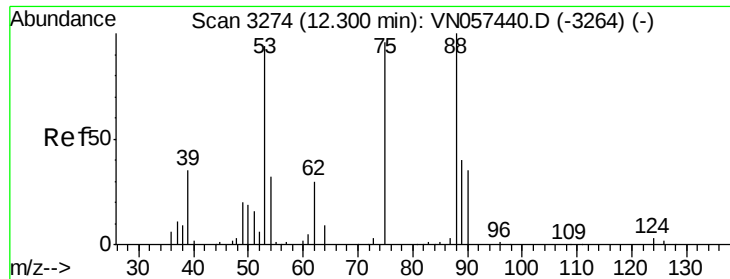
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





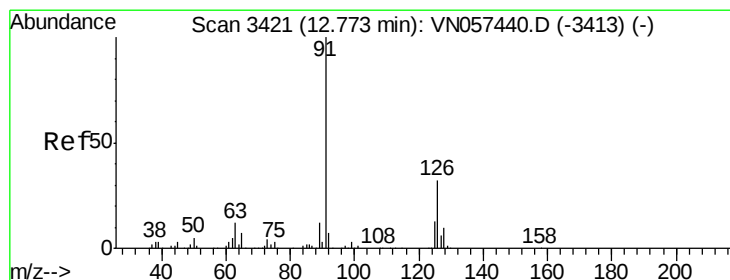
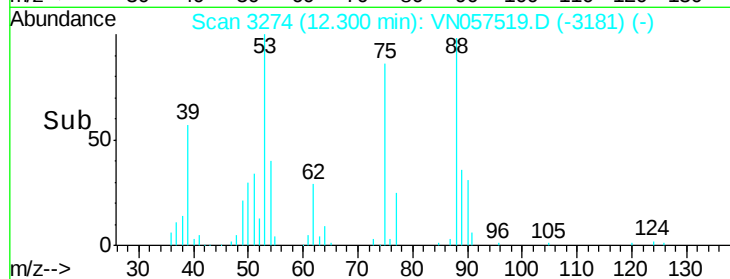
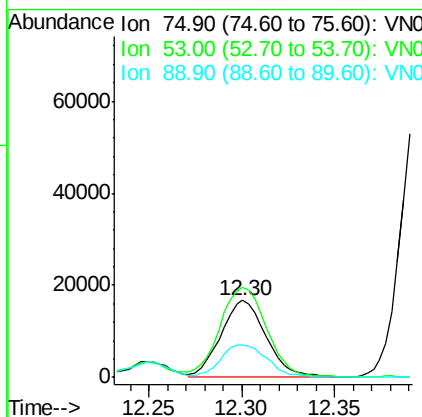
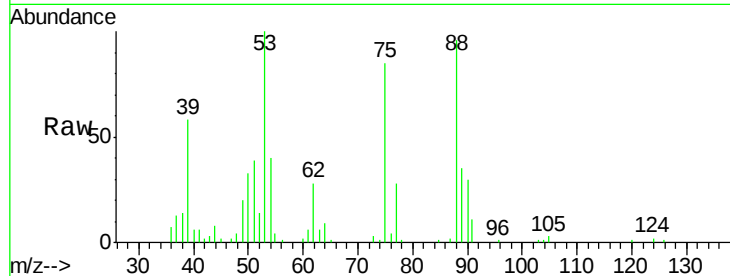
#81
trans-1,4-Dichloro-2-butene
Concen: 14.881 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampled :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.8	82.7	124.1
89	43.6	35.8	53.8

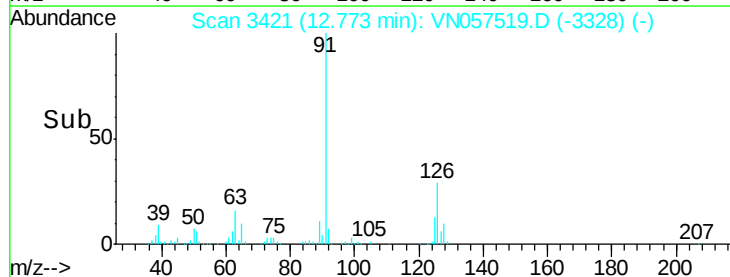
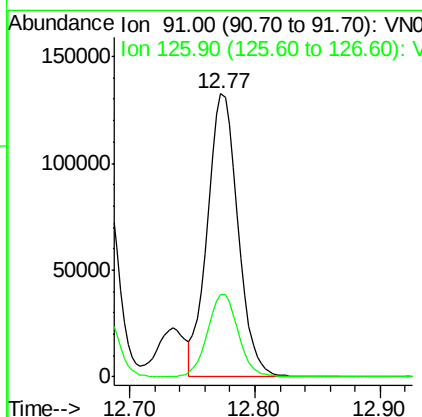
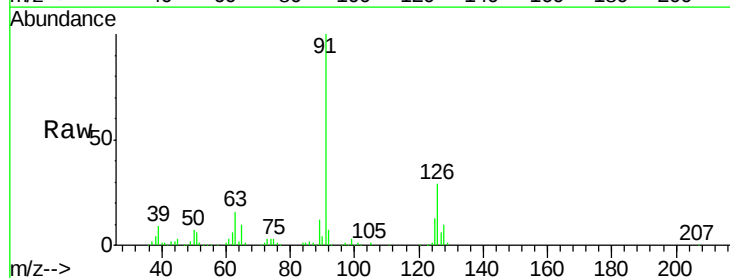
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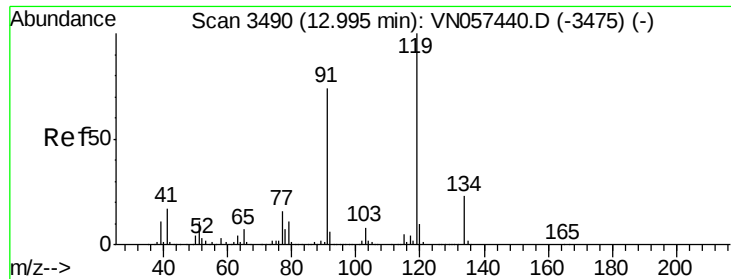
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#82
4-Chlorotoluene
Concen: 19.243 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.9	15.0	45.0





#83

tert-Butylbenzene

Concen: 19.745 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

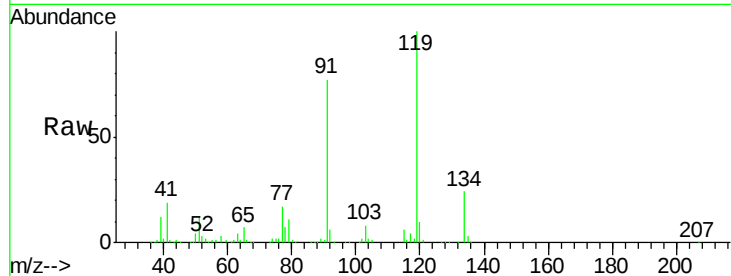
ClientSampleId :

VN0826WBSD02

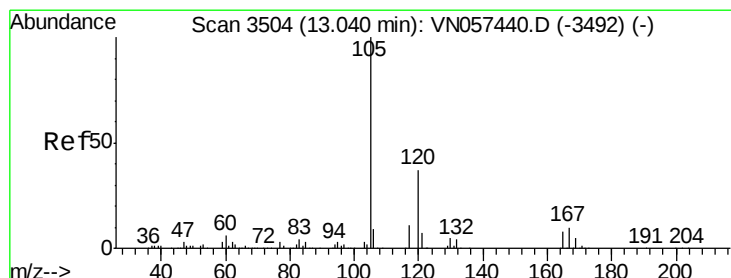
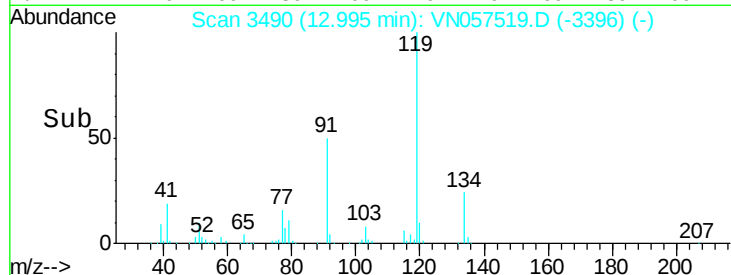
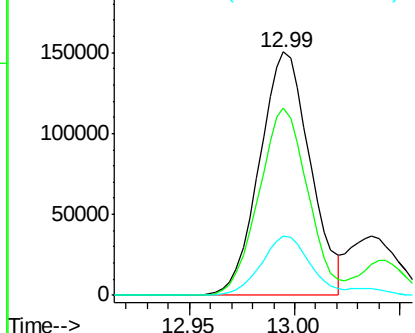
Tot Ion:	119	Resp:	250806
Ion Ratio	Lower	Upper	
119	100		
91	74.7	37.0	111.0
134	23.7	12.2	36.6

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.192 ug/l

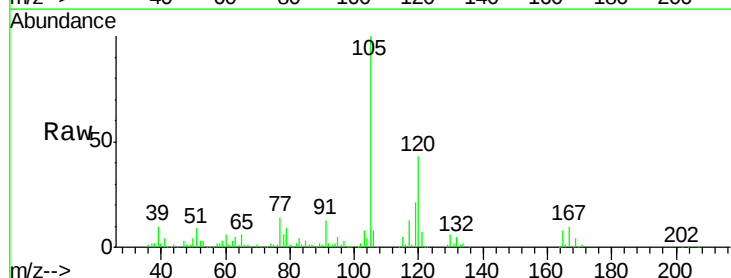
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

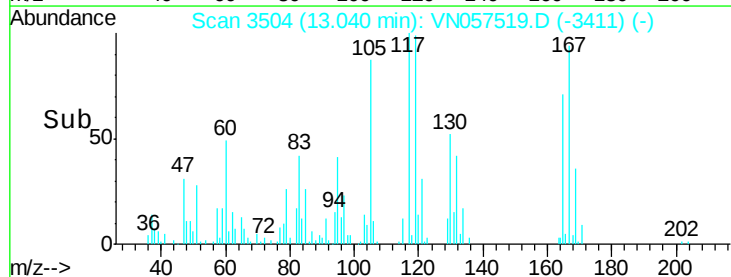
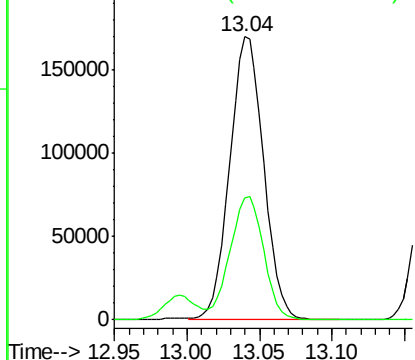
Lab File: VN057519.D

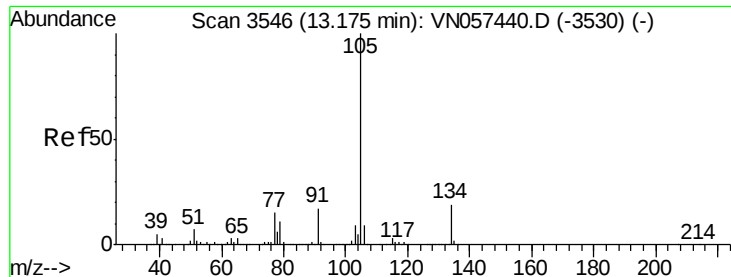
Acq: 26 Aug 2019 19:05

Tgt Ion:	105	Resp:	276293
Ion Ratio	Lower	Upper	
105	100		
120	43.1	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.683 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBSD02

Tot Ion:105 Resp: 325688

Ion Ratio Lower Upper

105 100

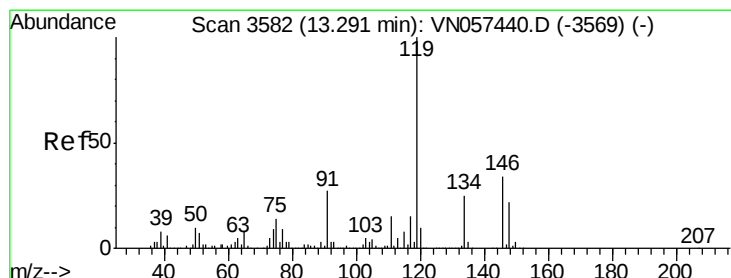
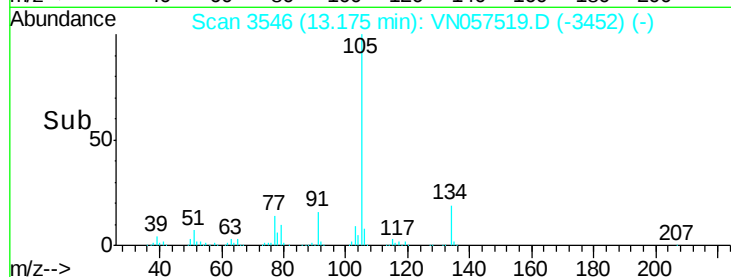
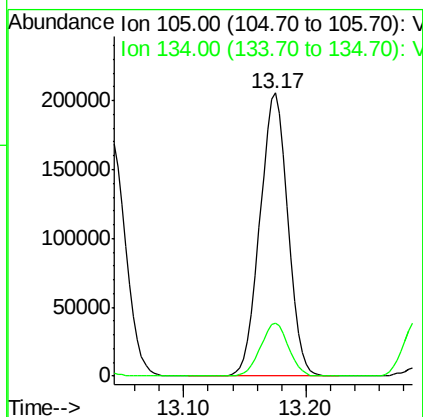
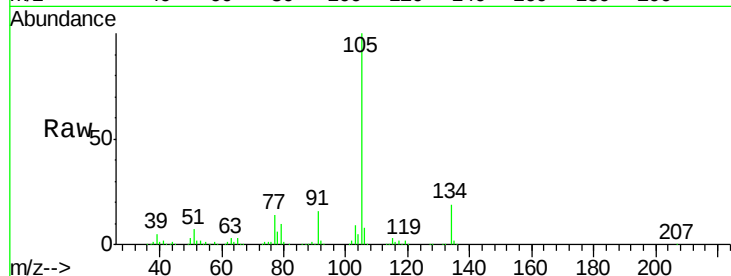
134 18.7 9.3 27.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 18.762 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

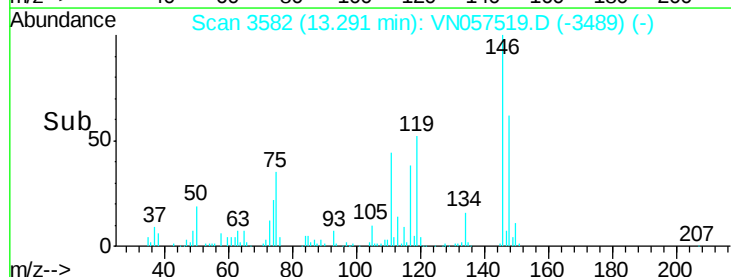
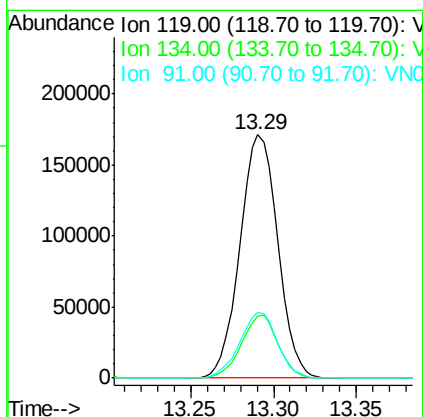
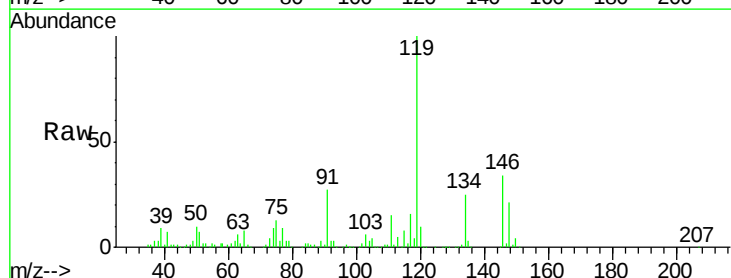
Tgt Ion:119 Resp: 271568

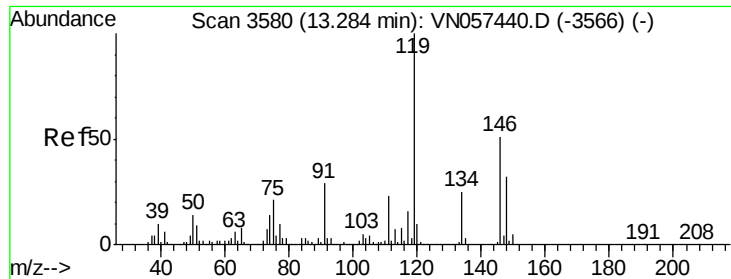
Ion Ratio Lower Upper

119 100

134 25.0 12.7 38.1

91 27.0 13.9 41.6





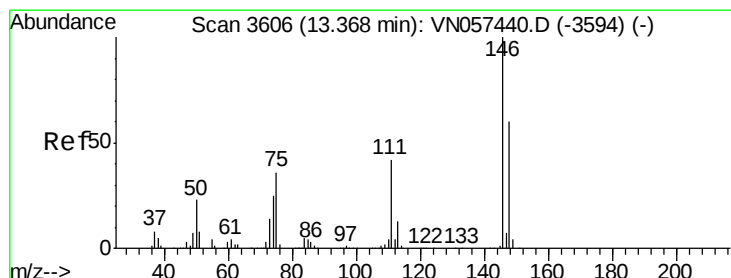
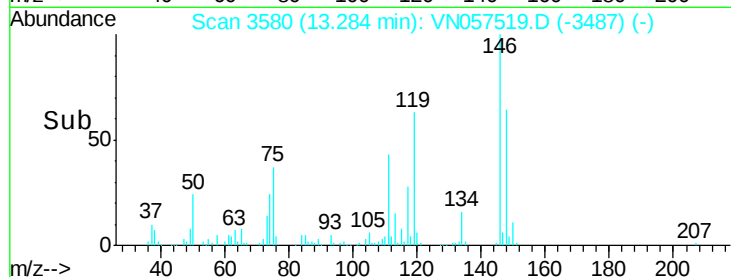
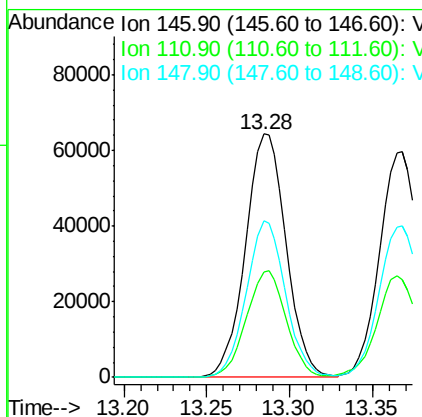
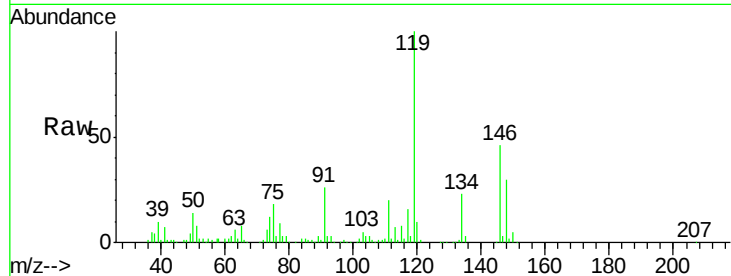
#87
 1,3-Dichlorobenzene
 Concen: 18.393 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	110015		
111	43.0	22.1	66.1	
148	62.1	31.9	95.9	

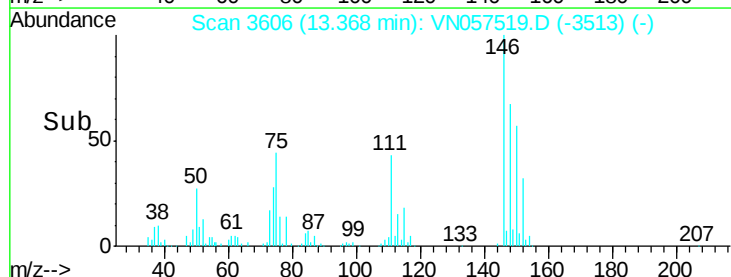
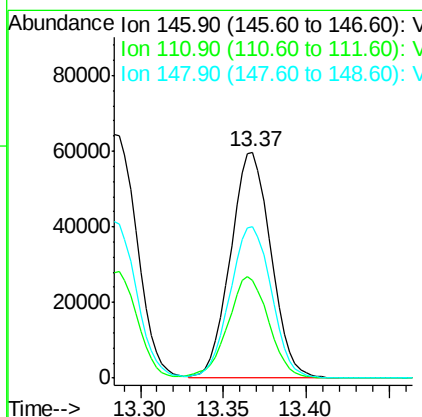
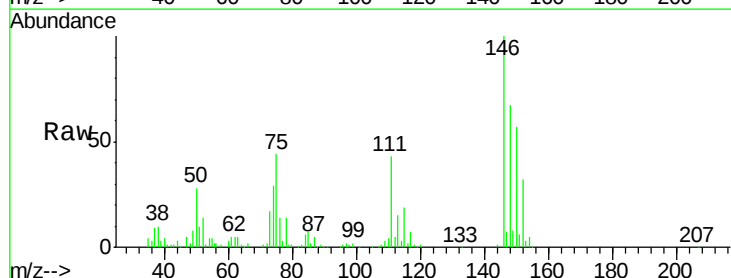
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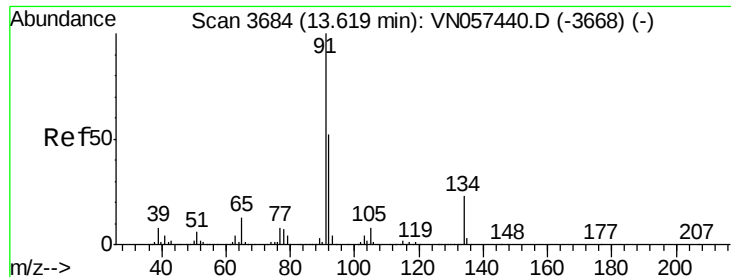
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#88
 1,4-Dichlorobenzene
 Concen: 17.352 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	101641		
111	45.5	21.9	65.5	
148	68.7	31.1	93.2	





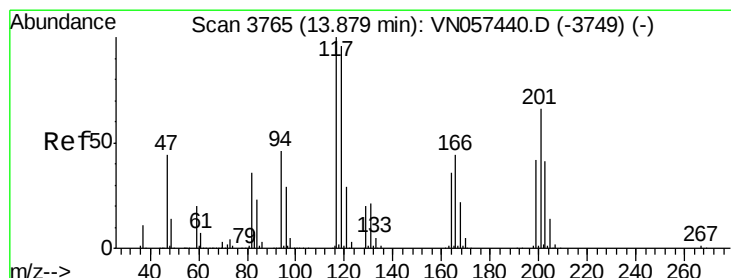
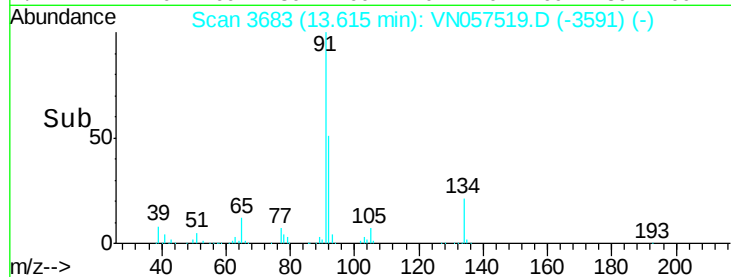
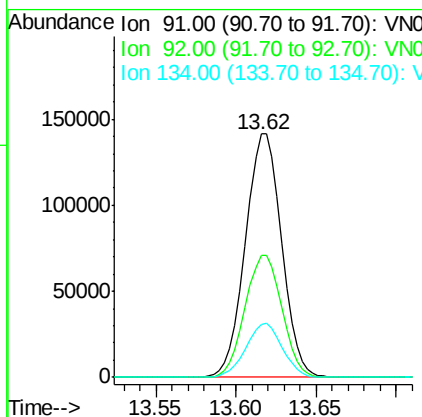
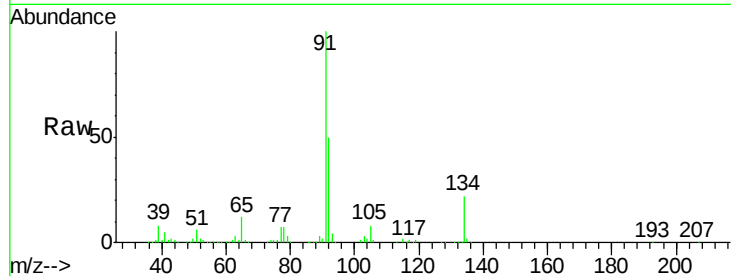
#89
n-Butylbenzene
Concen: 17.852 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	25.7	77.0
134	22.2	11.4	34.1

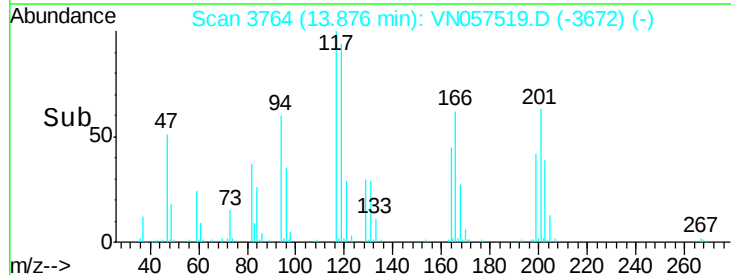
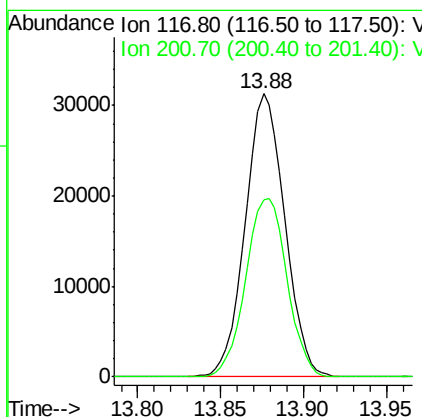
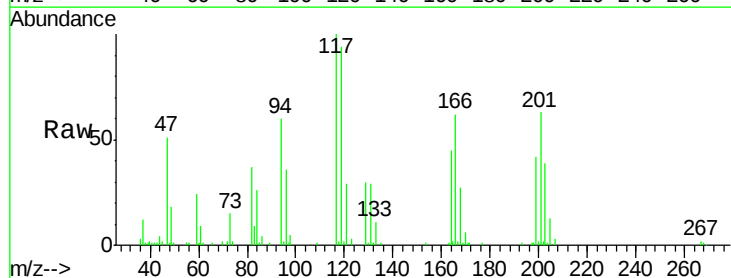
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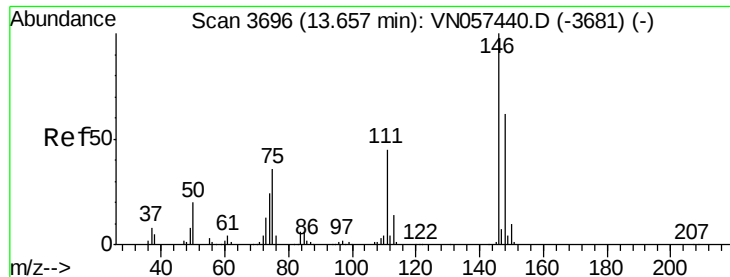
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#90
Hexachloroethane
Concen: 16.876 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057519.D
Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.8	33.1	99.3





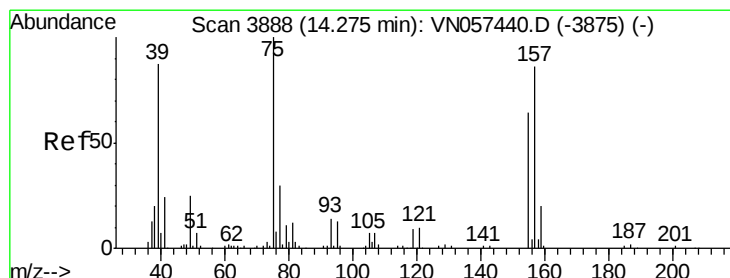
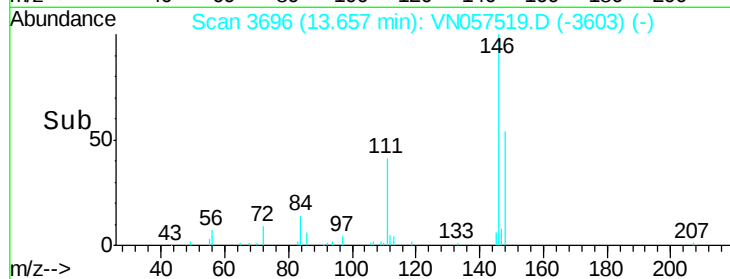
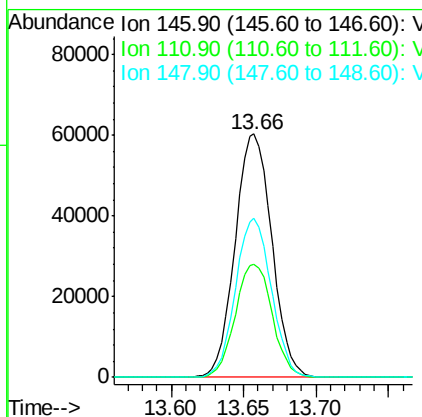
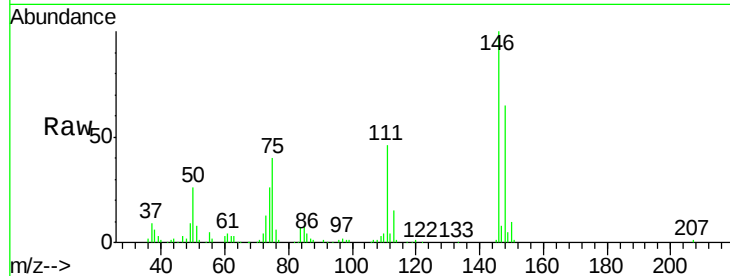
#91
 1,2-Dichlorobenzene
 Concen: 18.611 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion:	146	Resp:	106267
Ion Ratio	Lower	Upper	
146	100		
111	46.6	23.1	69.2
148	63.6	31.8	95.4

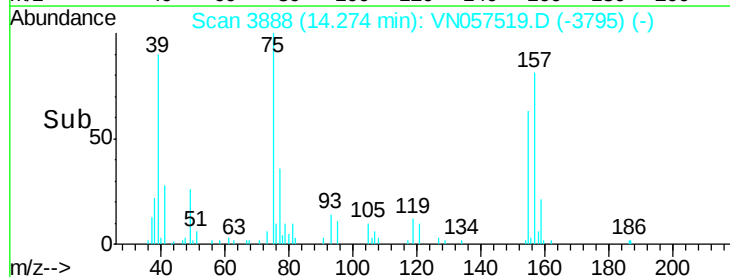
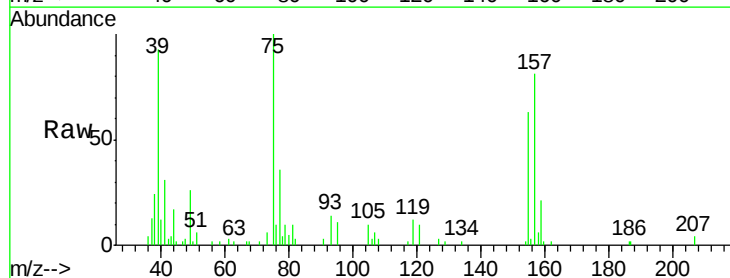
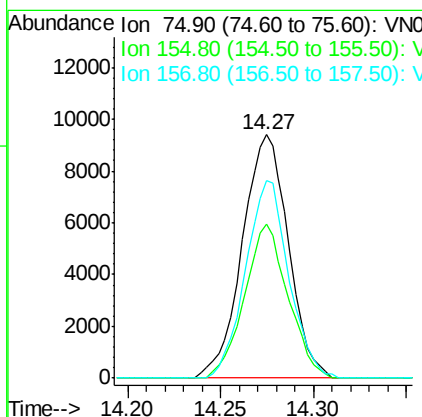
Manual Integrations
 APPROVED

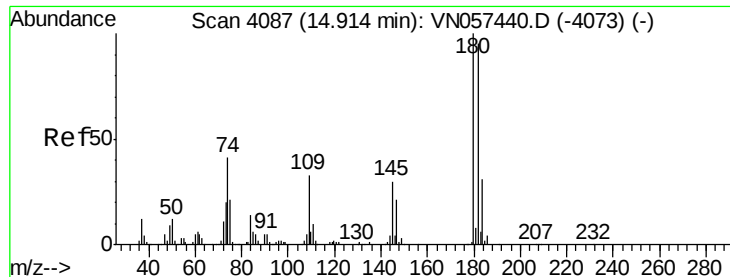
MMDadoda
 8/27/2019 5:30:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.039 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion:	75	Resp:	16244
Ion Ratio	Lower	Upper	
75	100		
155	59.9	31.6	94.7
157	76.2	43.3	129.8





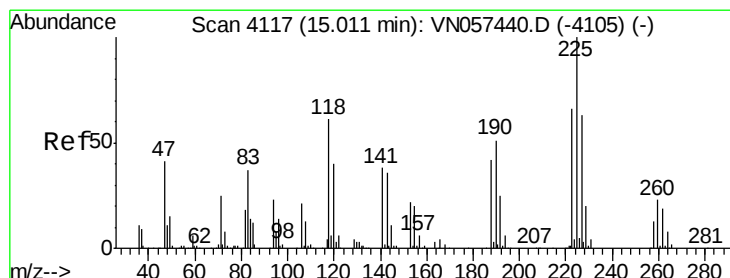
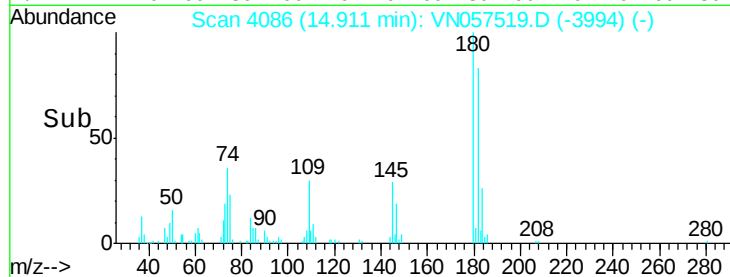
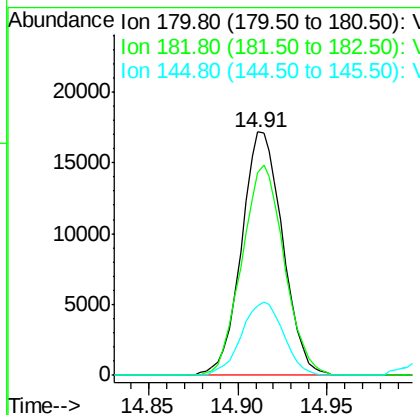
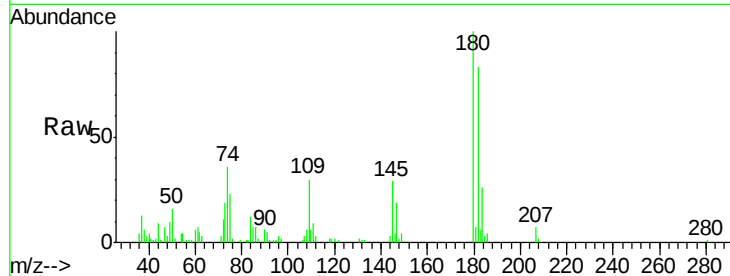
#93
 1,2,4-Trichlorobenzene
 Concen: 16.066 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	27679		
182	89.0	46.7	140.1	
145	30.7	15.6	46.8	

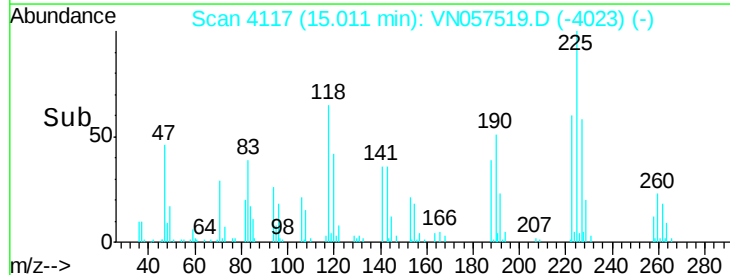
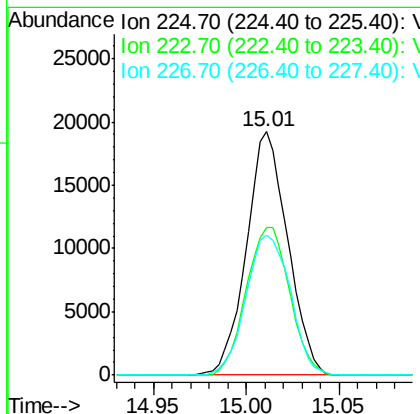
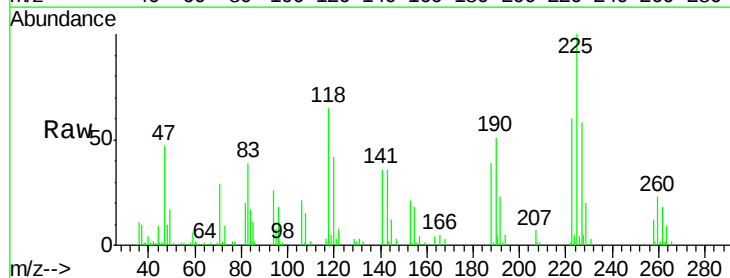
Manual Integrations
 APPROVED

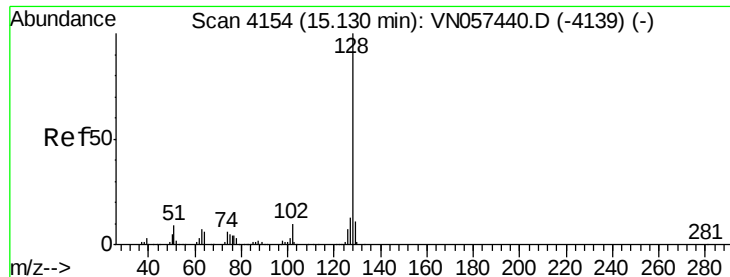
MMDadoda
 8/27/2019 5:30:45 PM



#94
 Hexachlorobutadiene
 Concen: 18.388 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057519.D
 Acq: 26 Aug 2019 19:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29715		
223	63.7	32.0	96.2	
227	61.9	31.5	94.5	





#95

Naphthalene

Concen: 15.980 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Instrument :

MSVOA_N

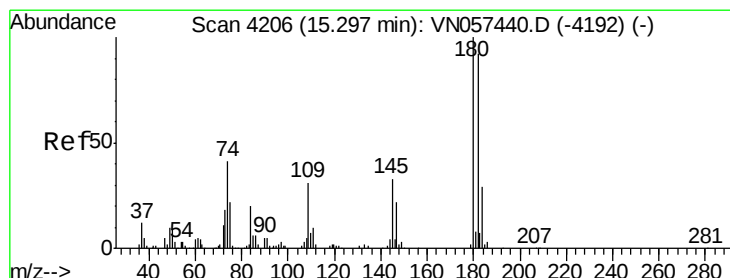
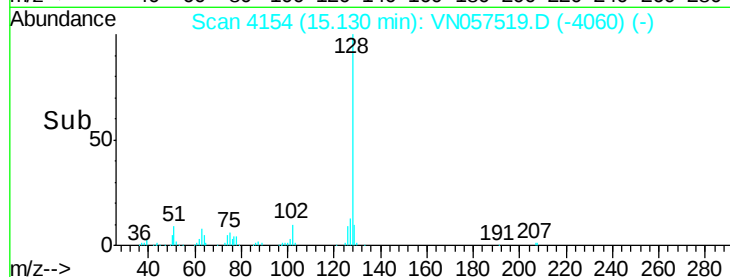
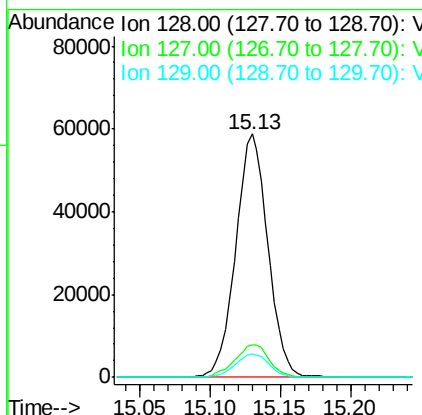
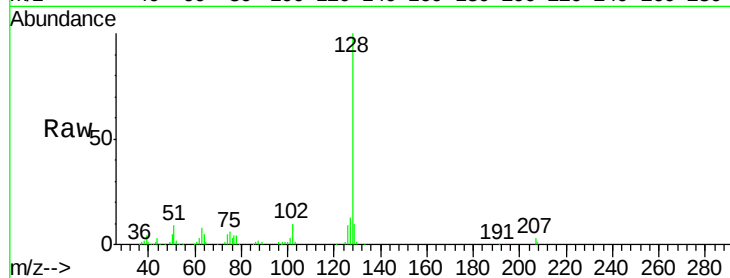
ClientSampleId :

VN0826WBSD02

Tot Ion:	128	Resp:	93905
Ion Ratio	Lower	Upper	
128	100		
127	14.3	10.5	15.7
129	10.1	8.6	13.0

Manual Integrations
APPROVED

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8/27/2019 5:30:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.704 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057519.D

Acq: 26 Aug 2019 19:05

Tgt Ion:	180	Resp:	27229
Ion Ratio	Lower	Upper	
180	100		
182	88.9	46.7	140.1
145	33.0	16.8	50.3

