

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100119\
 Data File : VN058470.D
 Acq On : 1 Oct 2019 18:31
 Operator : JC/SP
 Sample : VN1001WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:35:59 PM

Quant Time: Oct 02 07:32:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	357089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563067	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	255204	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	282179	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.58	113	201569	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
50) Toluene-d8	10.09	98	778940	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.41	95	274074	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	81041	20.698	ug/l	100
3) Chloromethane	2.03	50	104437	24.262	ug/l	99
4) Vinyl Chloride	2.17	62	93991	22.290	ug/l	99
5) Bromomethane	2.55	94	43211	19.292	ug/l	96
6) Chloroethane	2.69	64	57289	22.674	ug/l	99
7) Trichlorofluoromethane	3.00	101	108865	21.393	ug/l	100
8) Diethyl Ether	3.39	74	48501	22.090	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	73734	21.335	ug/l	99
10) Methyl Iodide	3.93	142	67870	17.711	ug/l	99
11) Tert butyl alcohol	4.76	59	73644	127.036	ug/l	98
12) 1,1-Dichloroethene	3.72	96	74137	22.008	ug/l	99
13) Acrolein	3.59	56	26668	144.634	ug/l	98
14) Allyl chloride	4.30	41	130642	21.311	ug/l	98
15) Acrylonitrile	4.96	53	205476	121.617	ug/l	99
16) Acetone	3.80	43	180466	101.450	ug/l	100
17) Carbon Disulfide	4.03	76	190666	21.472	ug/l	97
18) Methyl Acetate	4.30	43	116468	26.032	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	259861	21.863	ug/l	100
20) Methylene Chloride	4.53	84	87524	21.321	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	81108	21.652	ug/l	98
22) Diisopropyl ether	5.93	45	293789	22.270	ug/l	93
23) Vinyl Acetate	5.88	43	1068399	107.410	ug/l	98
24) 1,1-Dichloroethane	5.83	63	167681	22.585	ug/l	98
25) 2-Butanone	6.82	43	279386	114.394	ug/l	100
26) 2,2-Dichloropropane	6.81	77	103965	17.033	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	96515	22.045	ug/l	95
28) Bromochloromethane	7.18	49	66913	22.547	ug/l	98
29) Tetrahydrofuran	7.19	42	188041	121.307	ug/l	99
30) Chloroform	7.36	83	166821	22.174	ug/l	100
31) Cyclohexane	7.64	56	153319	21.230	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	140656	22.767	ug/l	99
36) 1,1-Dichloropropene	7.78	75	123548	20.721	ug/l	99
37) Ethyl Acetate	6.91	43	113313	22.416	ug/l	99
38) Carbon Tetrachloride	7.76	117	114793	21.330	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	138349	19.870	ug/l	99
40) Benzene	8.03	78	367159	21.423	ug/l	98
41) Methacrylonitrile	7.16	41	57023m	24.520	ug/l	
42) 1,2-Dichloroethane	8.11	62	141182	21.174	ug/l	99
43) Isopropyl Acetate	8.15	43	188047	19.782	ug/l #	88
44) Trichloroethene	8.82	130	90263	21.329	ug/l	97
45) 1,2-Dichloropropane	9.11	63	99507	21.649	ug/l	99
46) Dibromomethane	9.20	93	63355	21.765	ug/l	97
47) Bromodichloromethane	9.39	83	124940	22.654	ug/l	98
48) Methyl methacrylate	9.19	41	96163	22.216	ug/l	99
49) 1,4-Dioxane	9.19	88	32903	568.498	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	602322	123.355	ug/l	98
52) Toluene	10.15	92	222259	20.603	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	123002	20.491	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	138771	20.826	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	87756	22.342	ug/l	97
56) Ethyl methacrylate	10.43	69	132763	22.275	ug/l	99
57) 1,3-Dichloropropane	10.71	76	152409	21.753	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	248059	104.375	ug/l	98
59) 2-Hexanone	10.75	43	424490	119.392	ug/l	99
60) Dibromochloromethane	10.90	129	83067	20.091	ug/l	100
61) 1,2-Dibromoethane	11.00	107	87073	21.695	ug/l	99
64) Tetrachloroethene	10.63	164	91704	25.635	ug/l	97
65) Chlorobenzene	11.44	112	231805	20.711	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	82740	21.941	ug/l	98
67) Ethyl Benzene	11.51	91	430313	21.226	ug/l	99
68) m/p-Xylenes	11.62	106	312143	40.924	ug/l	96
69) o-Xylene	11.95	106	148711	20.253	ug/l	95
70) Styrene	11.97	104	255877	21.451	ug/l	99
71) Bromoform	12.13	173	48816	19.167	ug/l #	97
73) Isopropylbenzene	12.26	105	412119	21.851	ug/l	100
74) N-amyl acetate	12.08	43	149266	19.894	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	127306	22.827	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	111684m	23.960	ug/l	
77) Bromobenzene	12.53	156	93148	21.063	ug/l	96
78) n-propylbenzene	12.60	91	479234	22.554	ug/l	98
79) 2-Chlorotoluene	12.68	91	289126	22.045	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	344796	21.839	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	28433	18.526	ug/l	86
82) 4-Chlorotoluene	12.78	91	284792	21.281	ug/l	100
83) tert-Butylbenzene	13.00	119	295749	22.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	342084	21.626	ug/l	98
85) sec-Butylbenzene	13.18	105	389551	22.216	ug/l	98
86) p-Isopropyltoluene	13.30	119	345393	22.378	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	166230	20.730	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	162135	20.322	ug/l	97
89) n-Butylbenzene	13.62	91	302242	21.617	ug/l	99
90) Hexachloroethane	13.88	117	52751	22.747	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	165966	21.541	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	22810	23.193	ug/l	93

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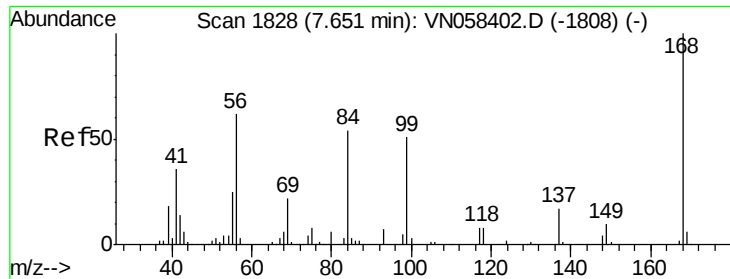
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	88950	20.892	ug/l	100
94) Hexachlorobutadiene	15.02	225	45803	20.930	ug/l	99
95) Naphthalene	15.14	128	253525	20.316	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	88545	20.729	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion:168 Resp: 357089

Ion Ratio Lower Upper

168 100

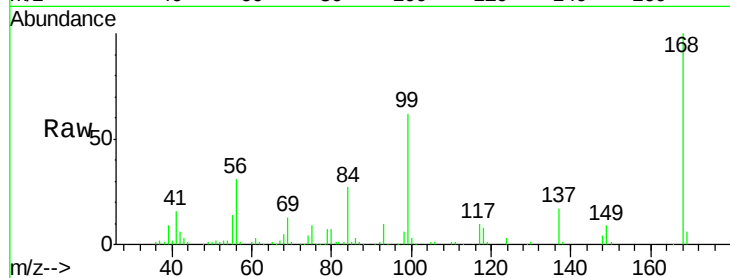
99 61.3 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

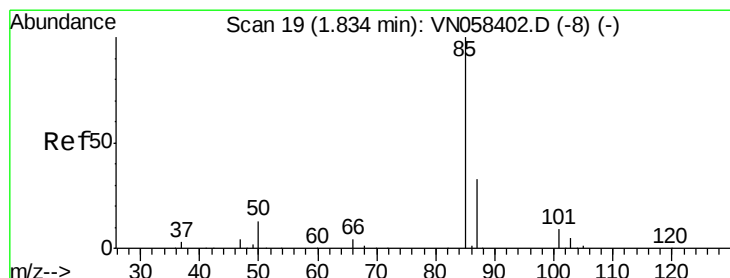
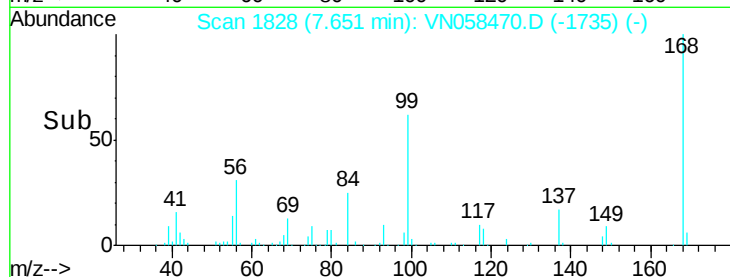
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.698 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058470.D

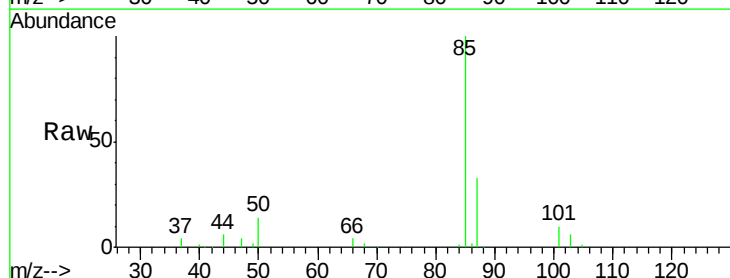
Acq: 1 Oct 2019 18:31

Tgt Ion: 85 Resp: 81041

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

60000

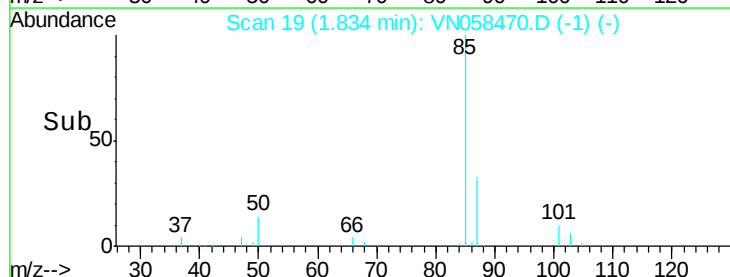
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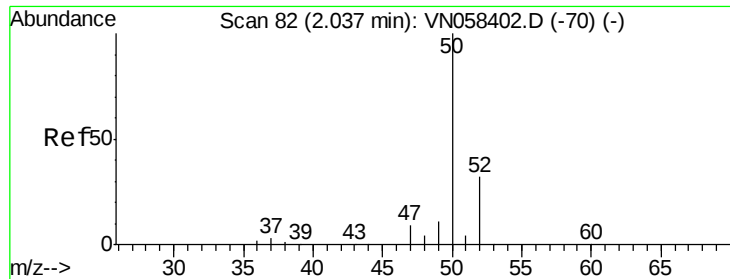
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 24.262 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 50 Resp: 104437

Ion Ratio Lower Upper

50 100

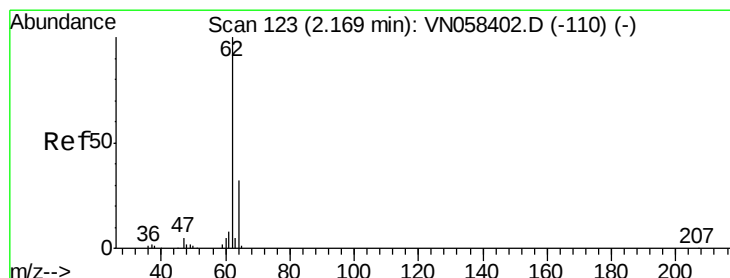
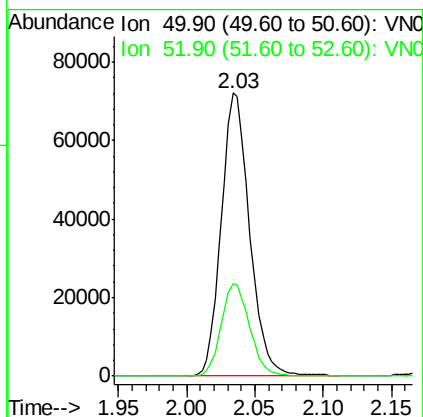
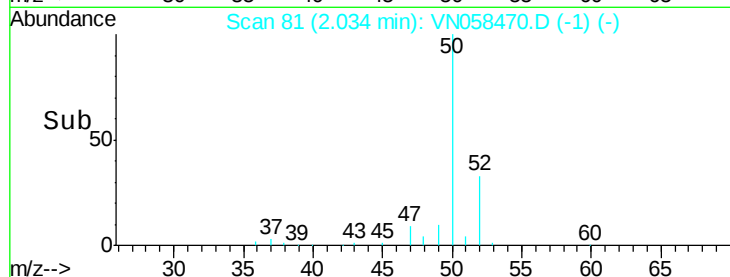
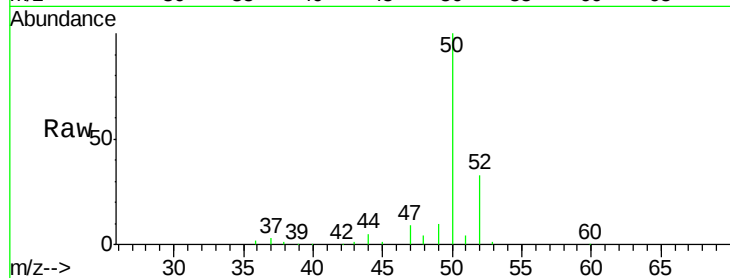
52 32.7 25.9 38.9

Manual Integrations

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10/3/2019 12:35:59 PM



#4

Vinyl Chloride

Concen: 22.290 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058470.D

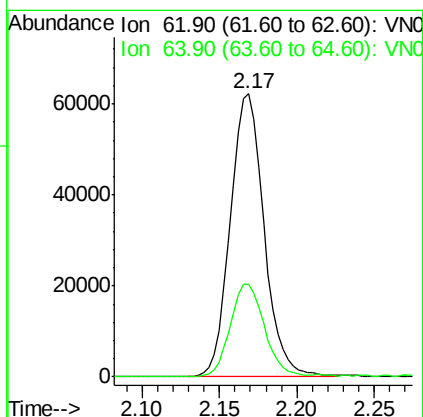
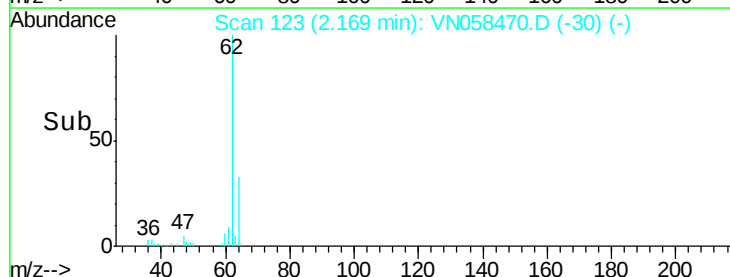
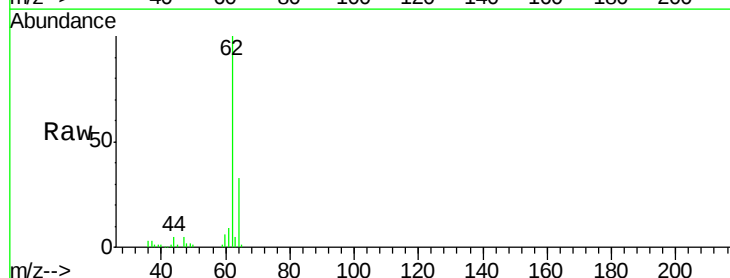
Acq: 1 Oct 2019 18:31

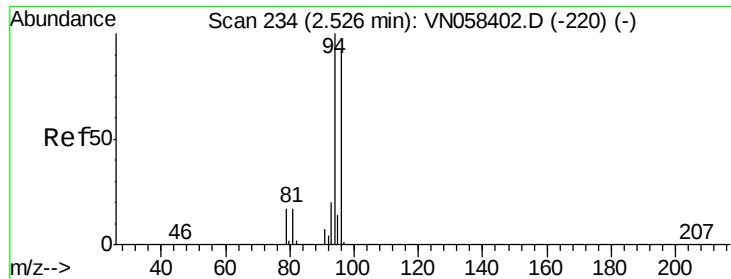
Tgt Ion: 62 Resp: 93991

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 19.292 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 94 Resp: 43211

Ion Ratio Lower Upper

94 100

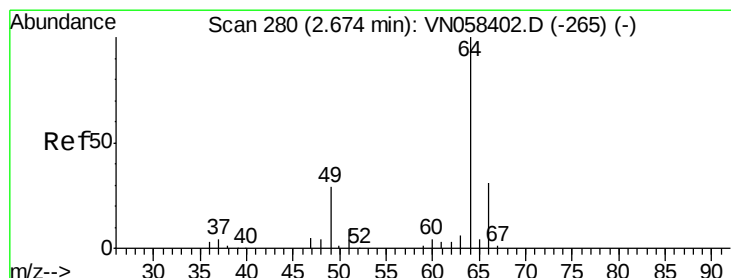
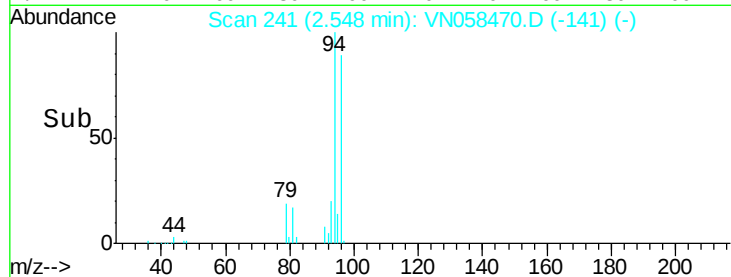
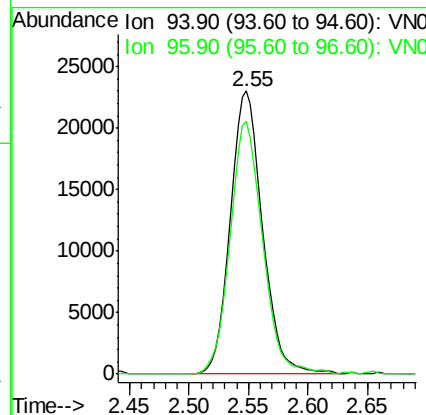
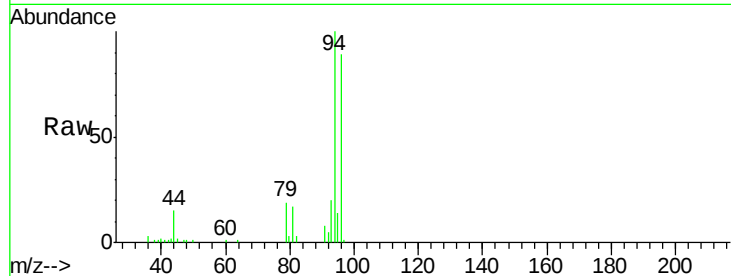
96 89.3 74.8 112.2

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#6

Chloroethane

Concen: 22.674 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058470.D

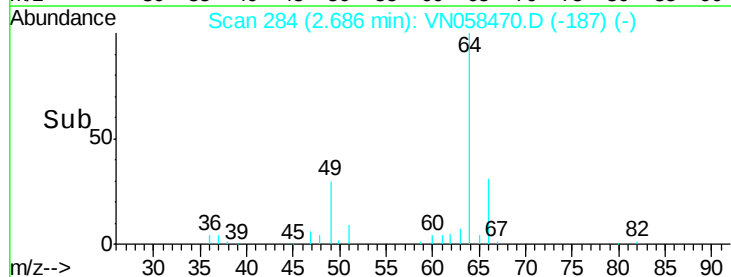
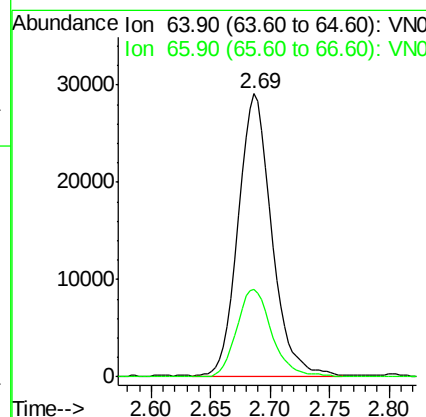
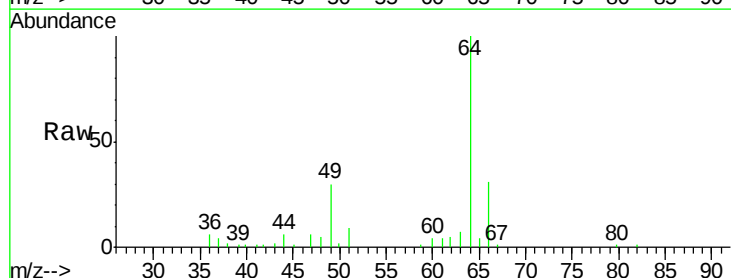
Acq: 1 Oct 2019 18:31

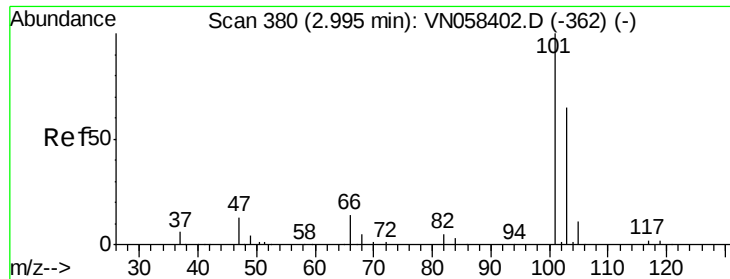
Tgt Ion: 64 Resp: 57289

Ion Ratio Lower Upper

64 100

66 30.8 24.4 36.6





#7

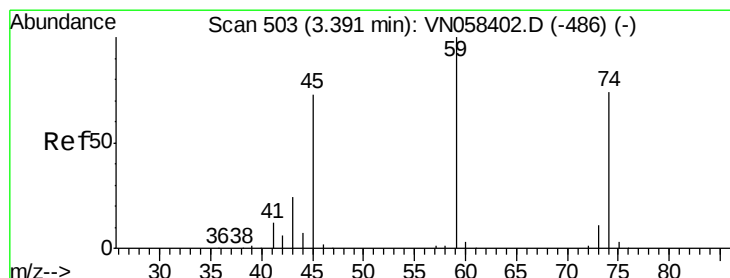
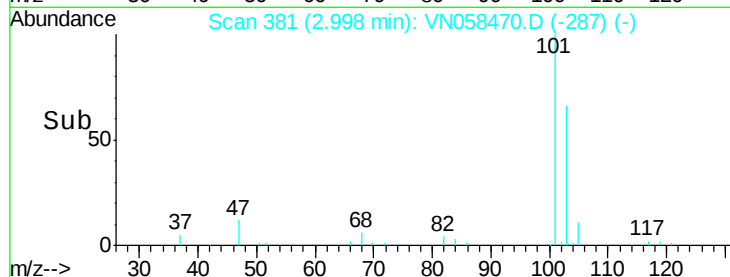
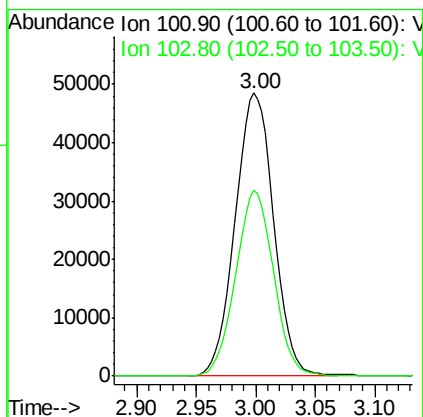
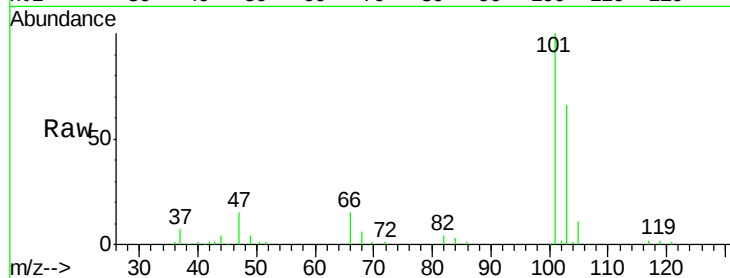
Trichlorofluoromethane
Concen: 21.393 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

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ClientSampleId :
VN1001WBSD01

Tot Ion:101 Resp: 108865
Ion Ratio Lower Upper
101 100
103 65.7 52.3 78.5

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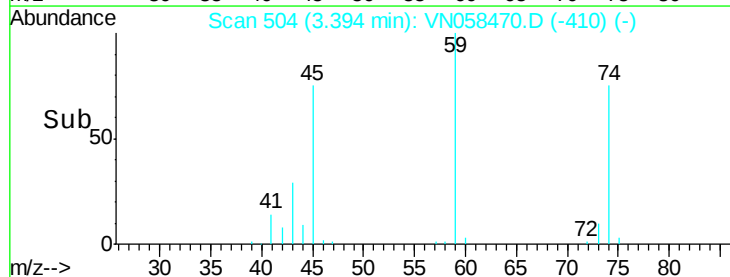
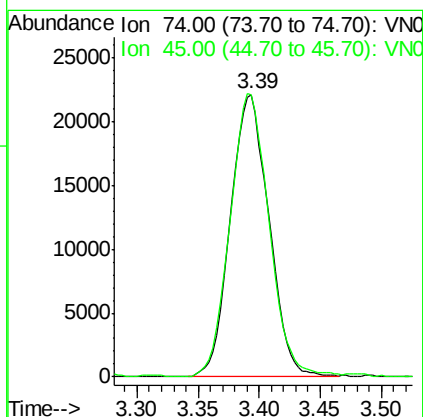
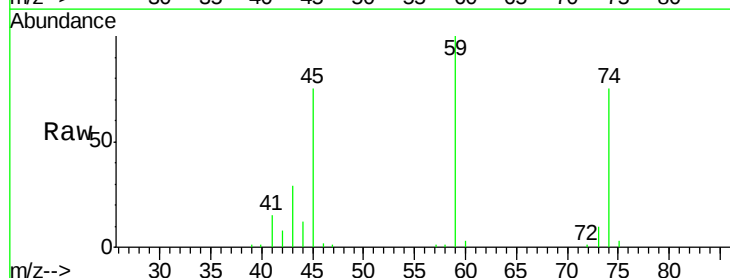
MMDadoda
10/3/2019 12:35:59 PM

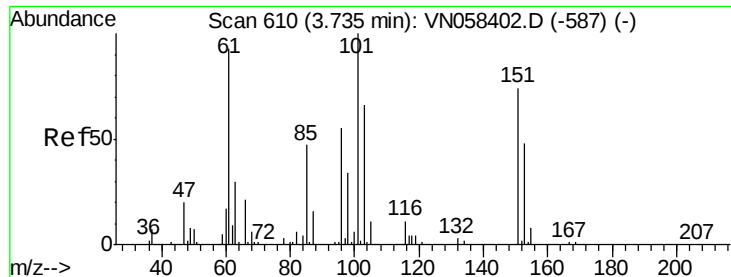


#8

Diethyl Ether
Concen: 22.090 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 74 Resp: 48501
Ion Ratio Lower Upper
74 100
45 101.2 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.335 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion:101 Resp: 73734

Ion Ratio Lower Upper

101 100

85 45.6 36.7 55.1

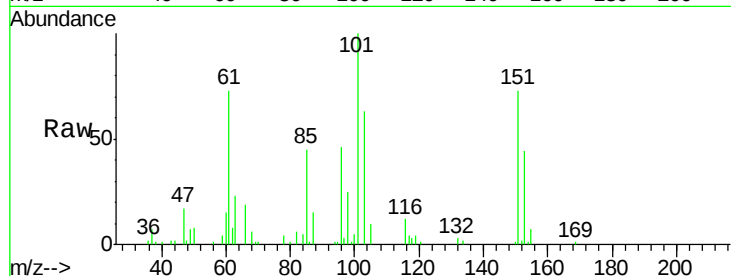
151 72.4 59.4 89.0

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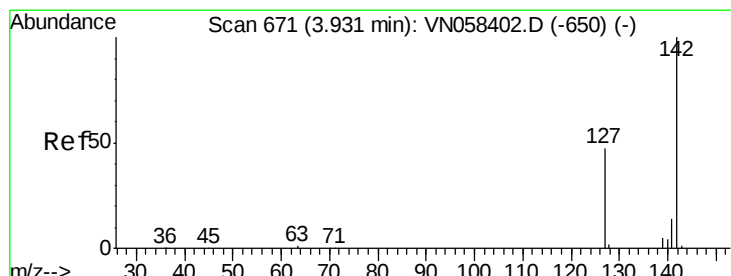
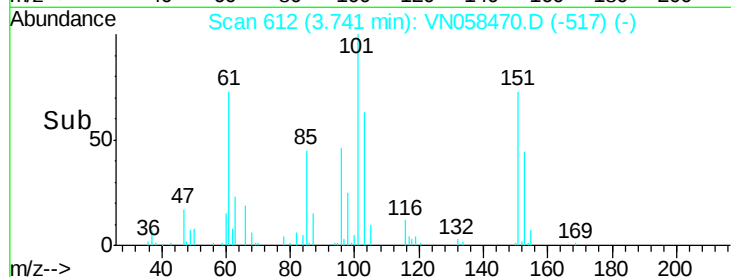
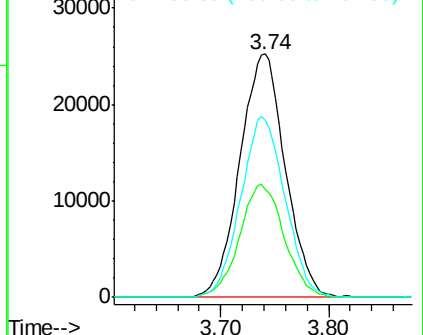
10/3/2019 12:35:59 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.711 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

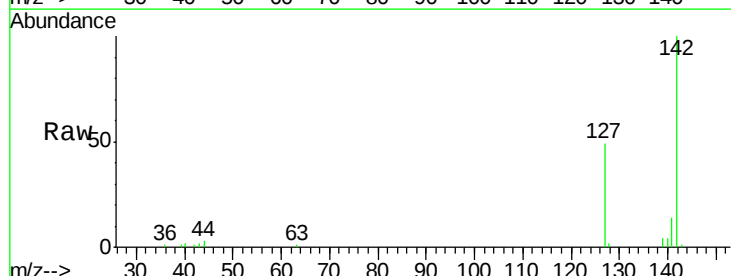
Tgt Ion:142 Resp: 67870

Ion Ratio Lower Upper

142 100

127 46.0 37.2 55.8

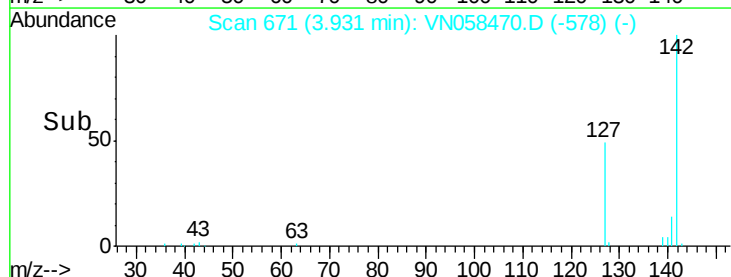
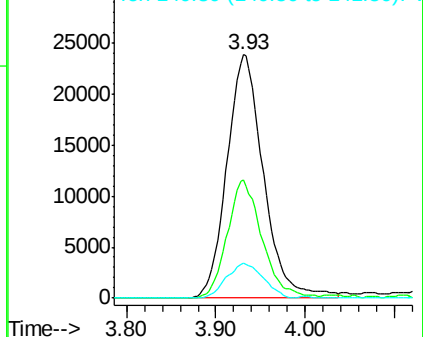
141 14.4 11.3 16.9

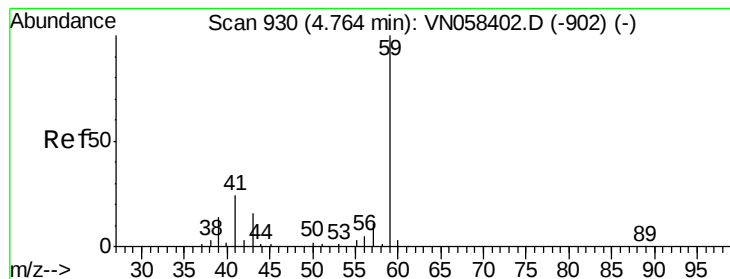


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

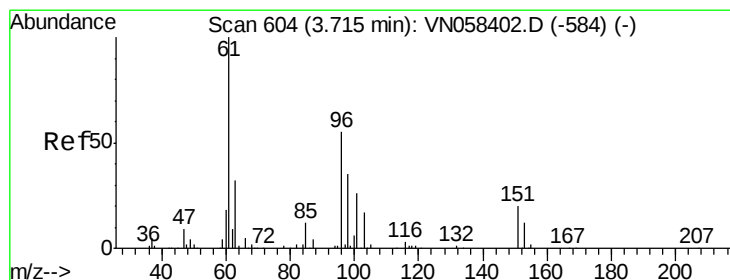
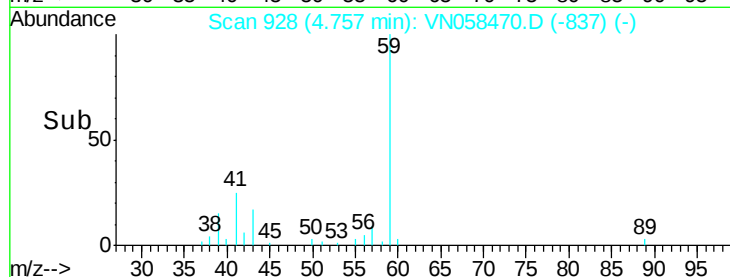
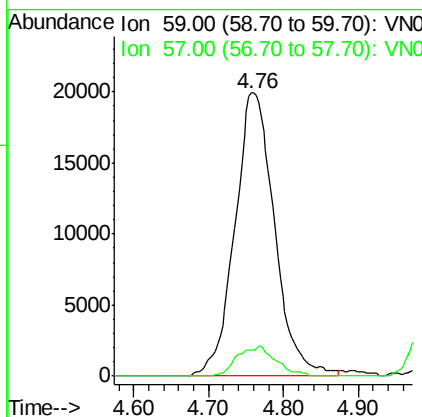
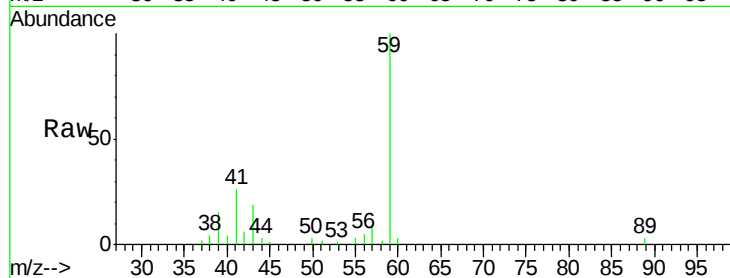
Tert butyl alcohol
 Concen: 127.036 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.01 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	59	57	Ratio	100	10.3	Resp	Lower	Upper
59	100					73644		
57		10.3					9.0	13.4

Manual Integrations
 APPROVED

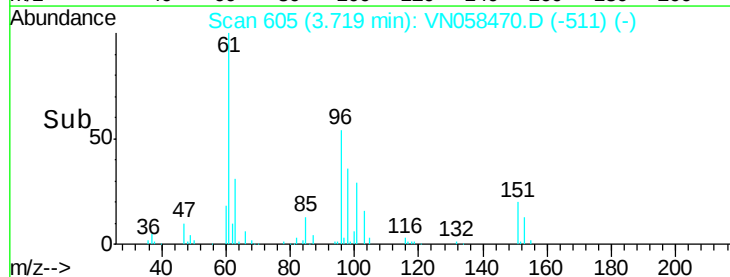
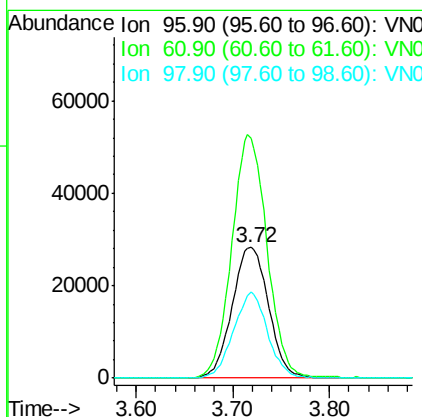
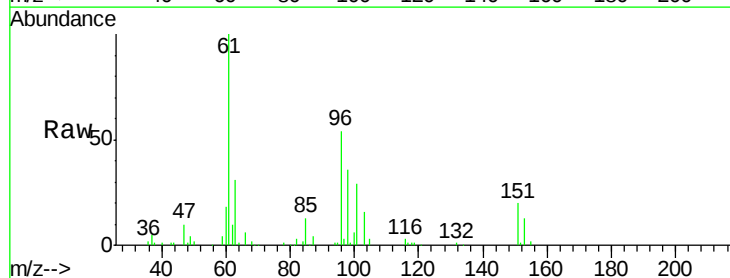
MMDadoda
 10/3/2019 12:35:59 PM

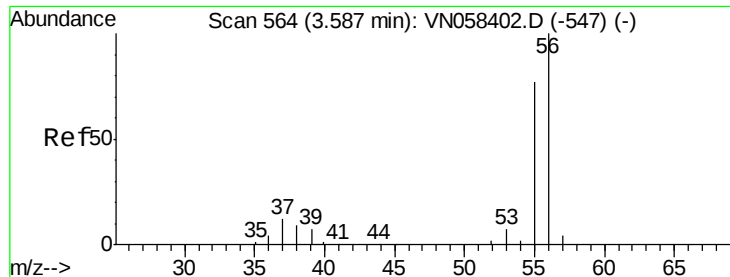


#12

1,1-Dichloroethene
 Concen: 22.008 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	96	61	98	Ratio	100	183.7	65.5	Resp	Lower	Upper
96	100							74137		
61		183.7							146.7	220.1
98		65.5							51.3	76.9





#13

Acrolein

Concen: 144.634 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 56 Resp: 26668

Ion Ratio Lower Upper

56 100

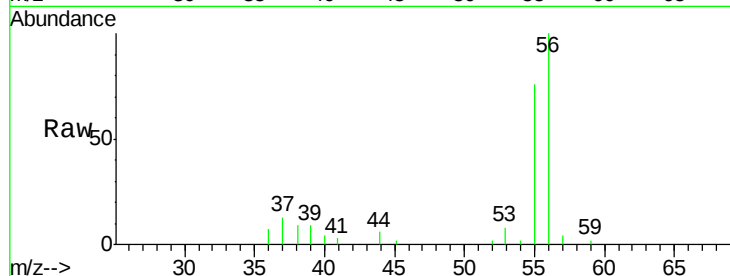
55 74.3 58.3 87.5

Manual Integrations

APPROVED

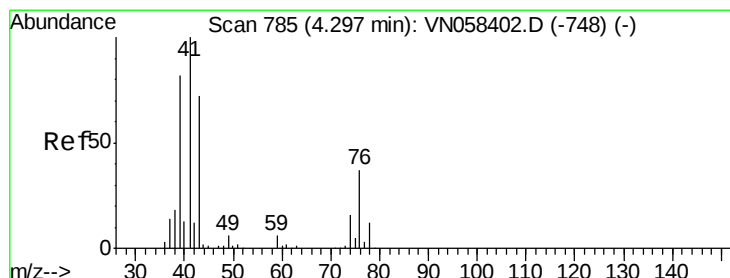
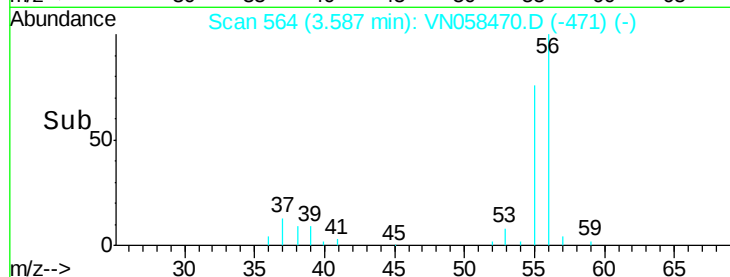
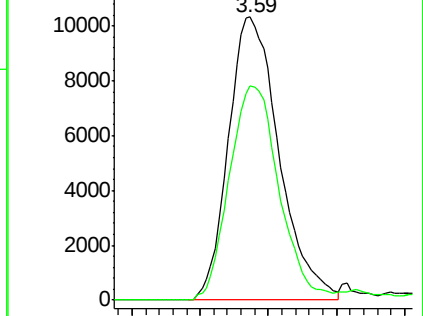
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.311 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

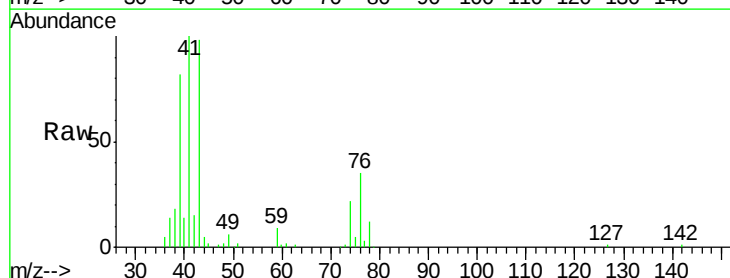
Tgt Ion: 41 Resp: 130642

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

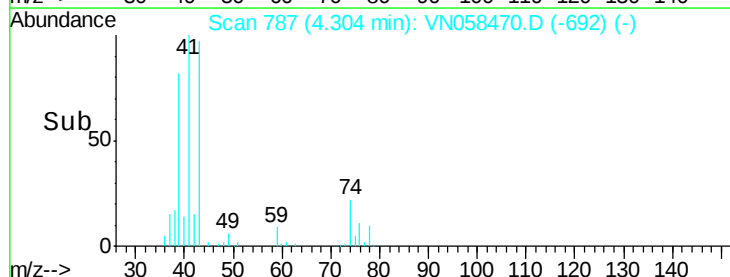
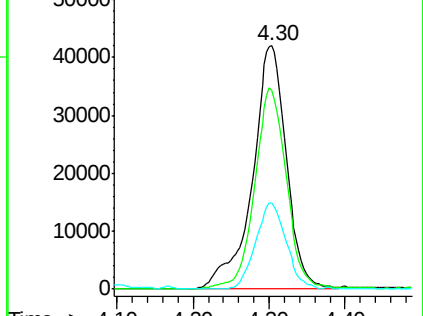
76 31.7 26.9 40.3

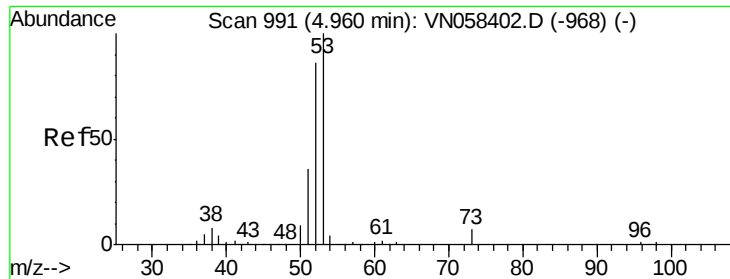


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 121.617 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

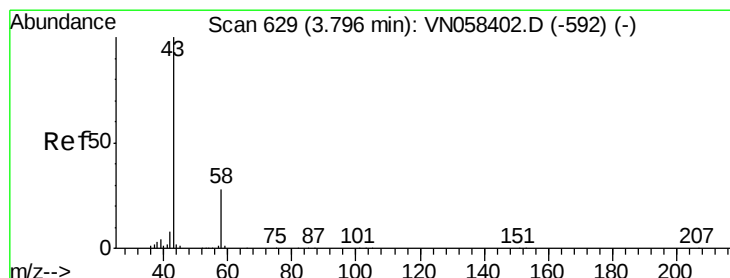
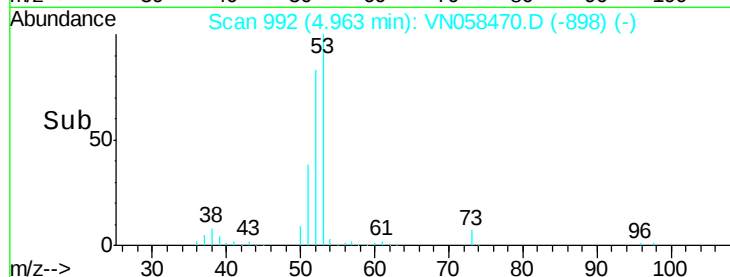
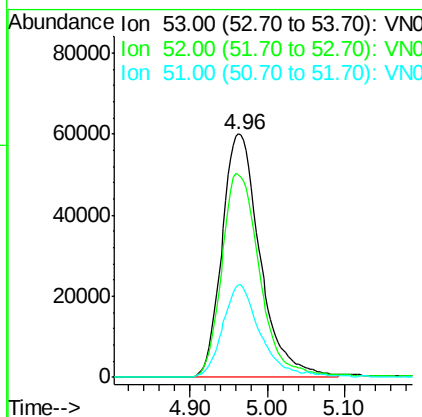
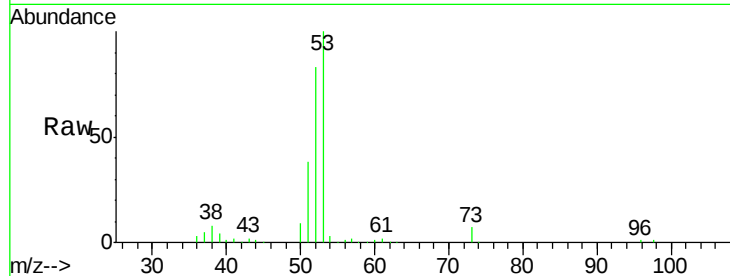
ClientSampleId :

VN1001WBSD01

Tot Ion:	53	Resp:	205476
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 101.450 ug/l

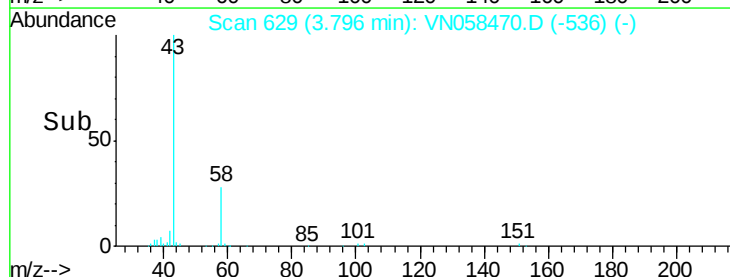
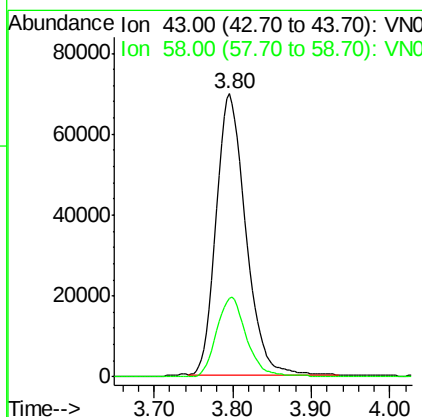
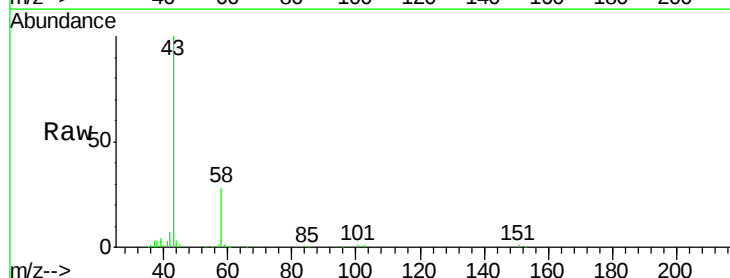
RT: 3.80 min Scan# 629

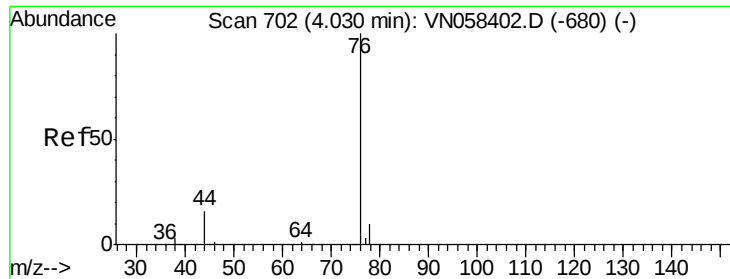
Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion:	43	Resp:	180466
Ion	Ratio	Lower	Upper
43	100		
58	27.8	22.4	33.6





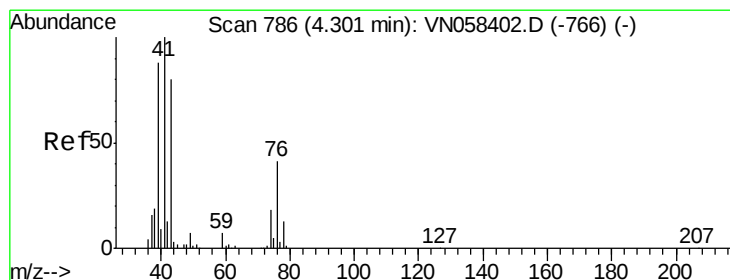
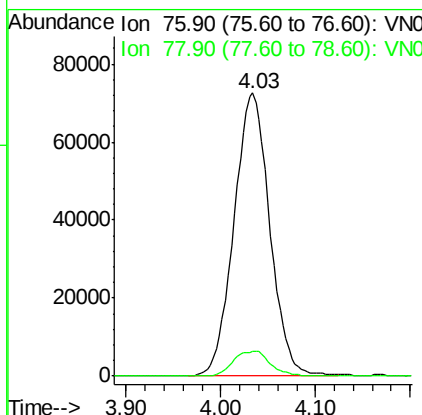
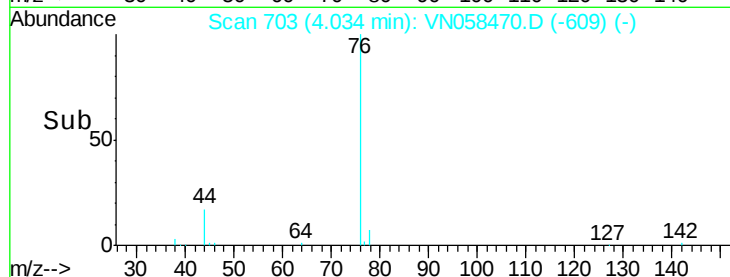
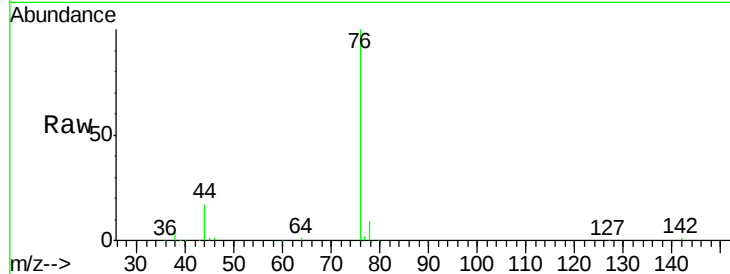
#17
Carbon Disulfide
Concen: 21.472 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.7	11.5

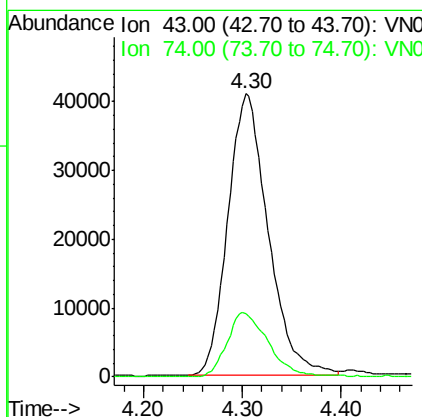
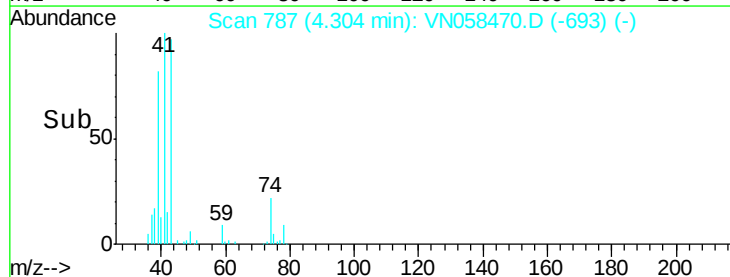
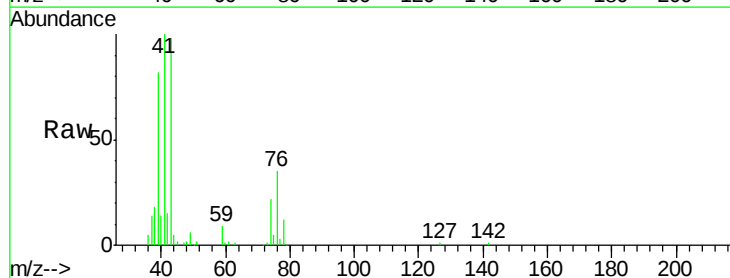
Manual Integrations
APPROVED

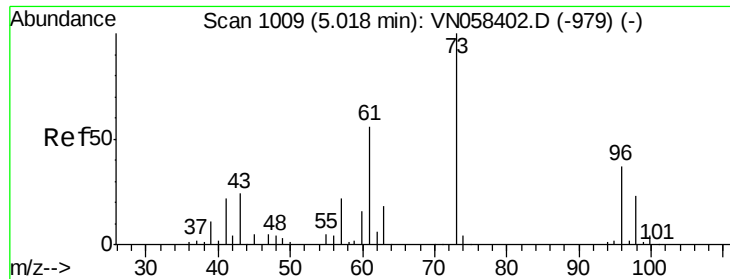
MMDadoda
10/3/2019 12:35:59 PM



#18
Methyl Acetate
Concen: 26.032 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	18.0	27.0





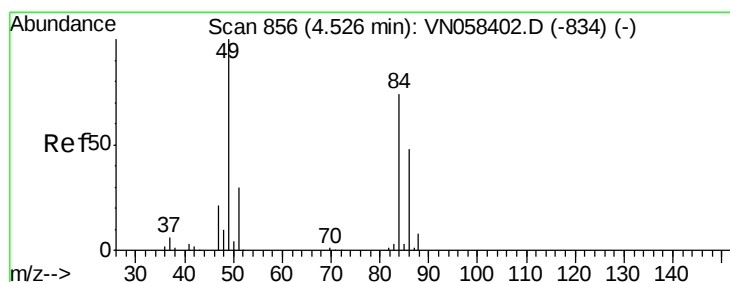
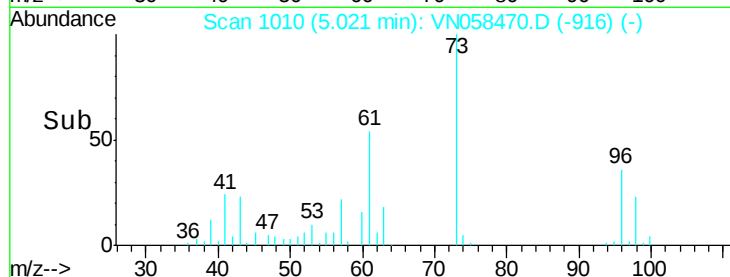
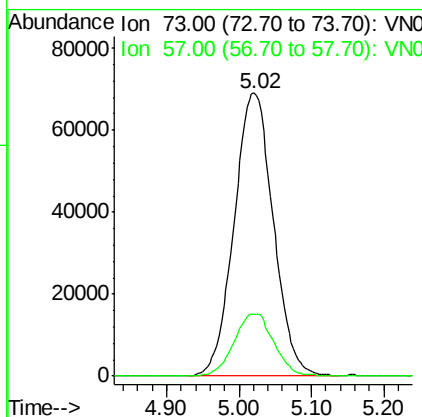
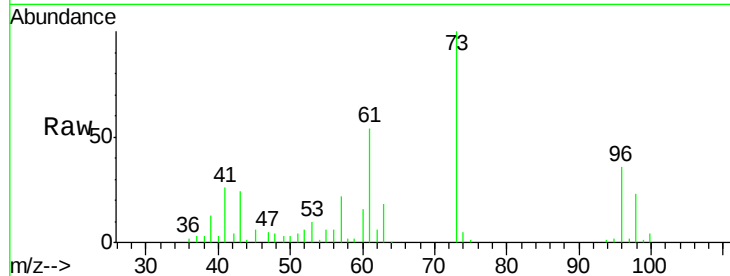
#19
Methvl tert-butvl Ether
Concen: 21.863 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 73 Resp: 259861
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

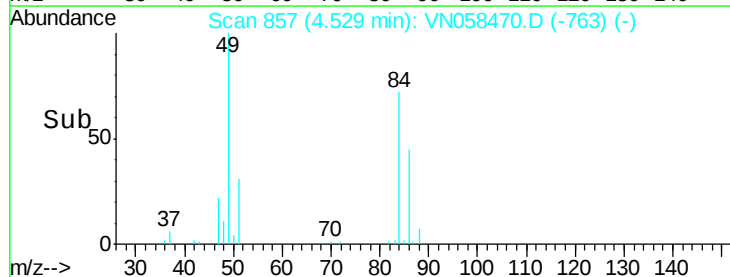
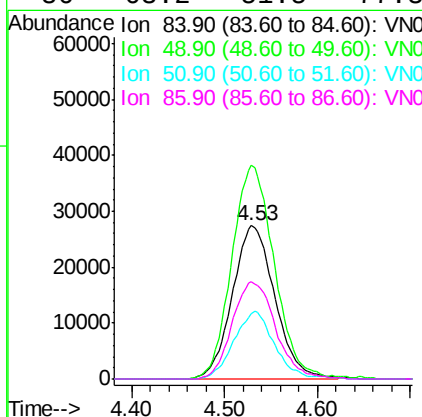
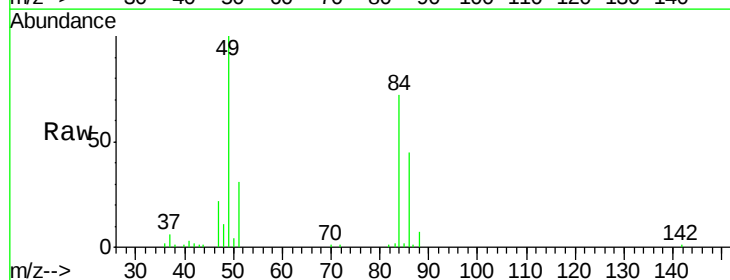
Manual Integrations
APPROVED

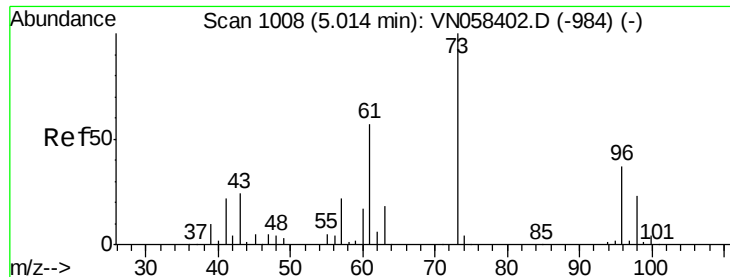
MMDadoda
10/3/2019 12:35:59 PM



#20
Methylene Chloride
Concen: 21.321 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 84 Resp: 87524
Ion Ratio Lower Upper
84 100
49 139.5 107.9 161.9
51 42.8 32.8 49.2
86 63.2 51.5 77.3





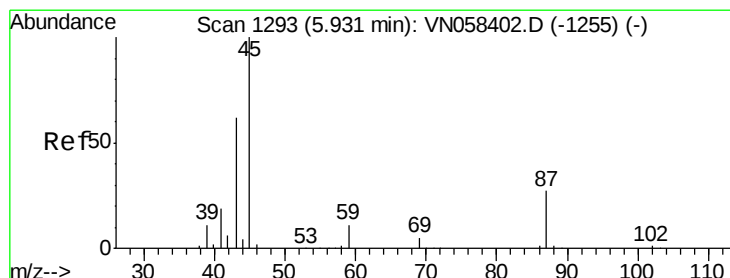
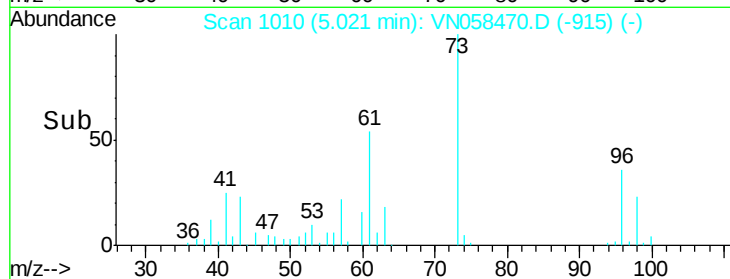
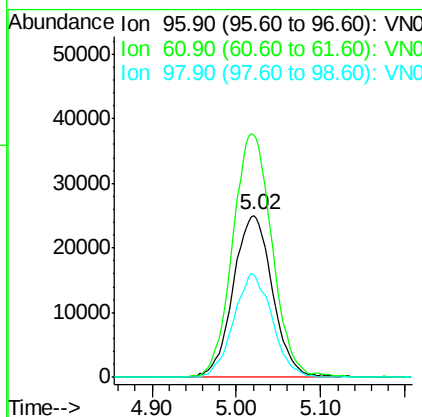
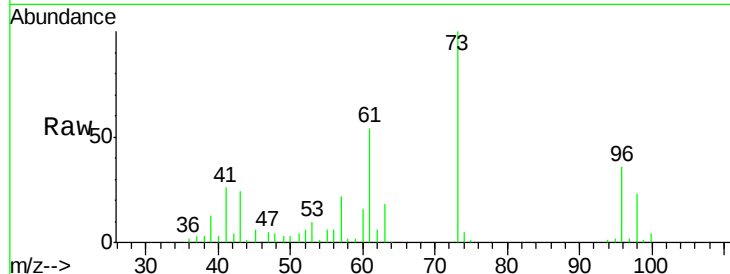
#21
trans-1,2-Dichloroethene
Concen: 21.652 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.5	121.9	182.9
98	63.7	49.3	73.9

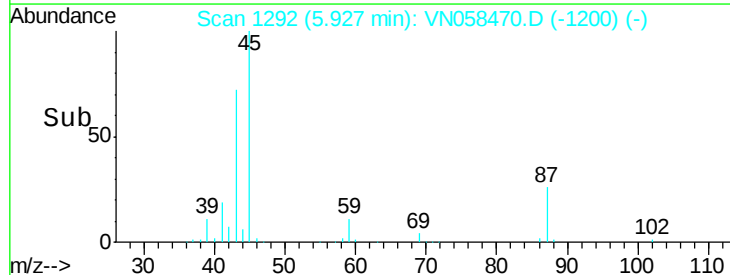
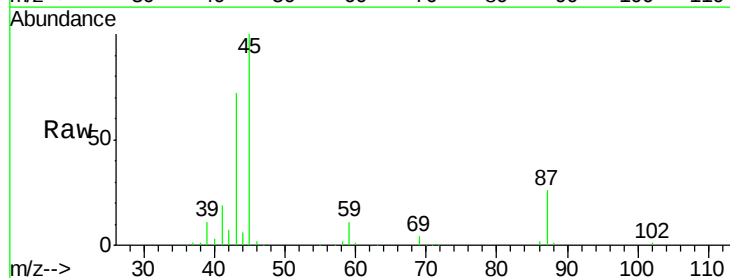
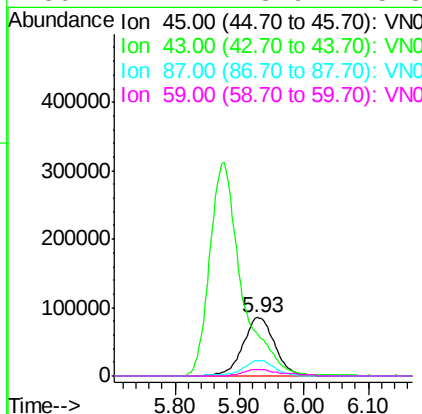
Manual Integrations
APPROVED

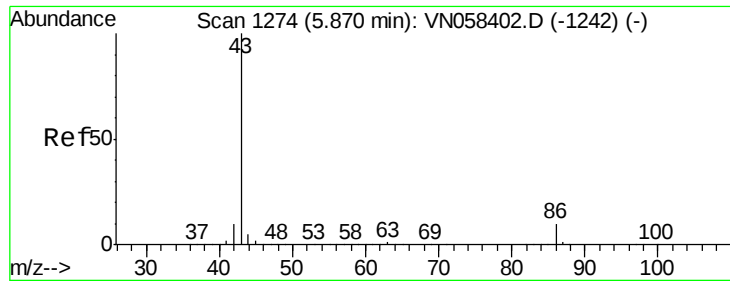
MMDadoda
10/3/2019 12:35:59 PM



#22
Diisopropyl ether
Concen: 22.270 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	70.5	49.7	74.5
87	26.3	21.5	32.3
59	11.2	8.9	13.3





#23

Vinyl Acetate

Concen: 107.410 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 43 Resp: 1068399

Ion Ratio Lower Upper

43 100

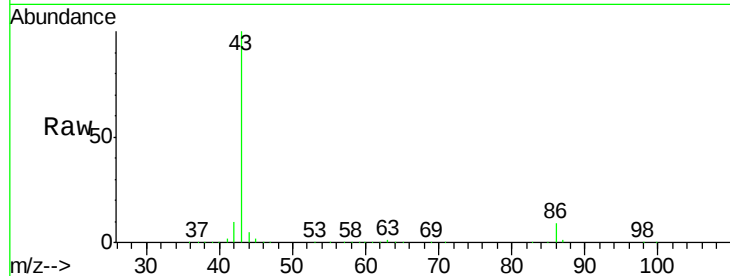
86 9.0 7.7 11.5

Manual Integrations

APPROVED

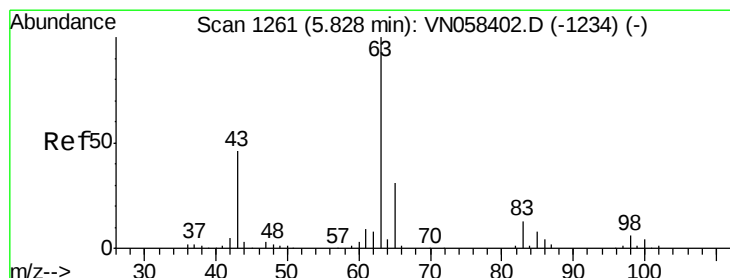
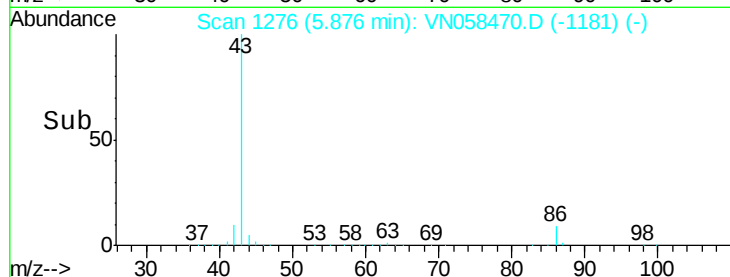
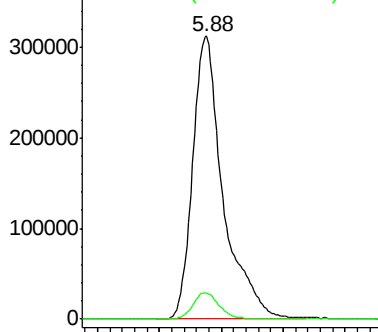
MMDadoda

10/3/2019 12:35:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 22.585 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

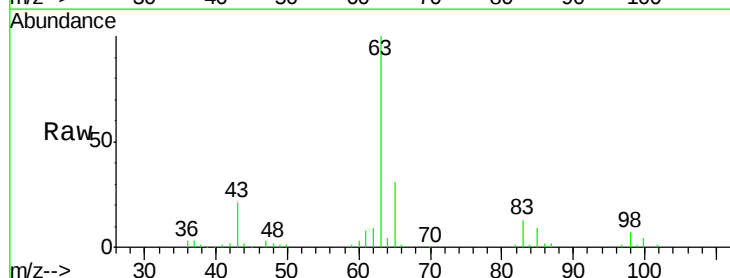
Tgt Ion: 63 Resp: 167681

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

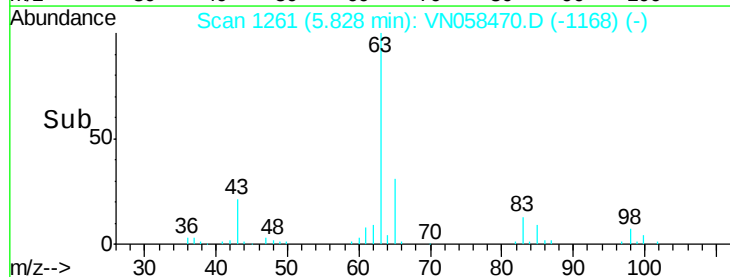
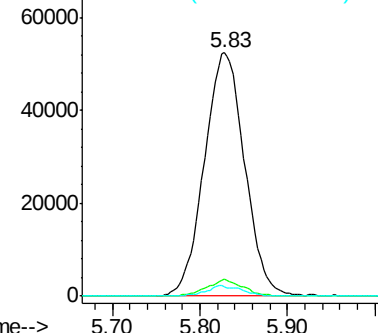
100 4.0 2.0 5.8

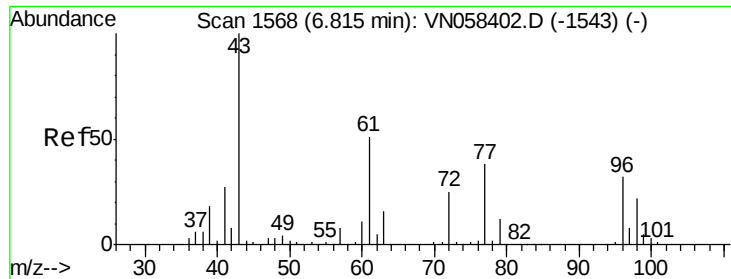


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 114.394 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 43 Resp: 279386

Ion Ratio Lower Upper

43 100

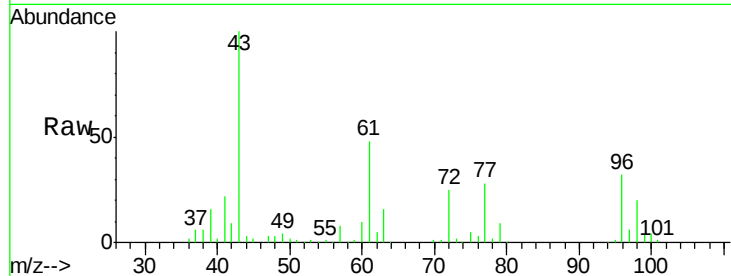
72 25.3 20.2 30.4

Manual Integrations

APPROVED

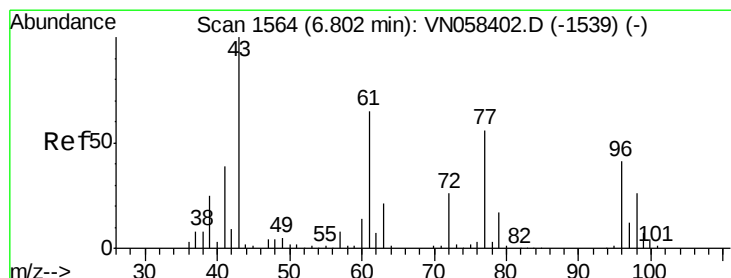
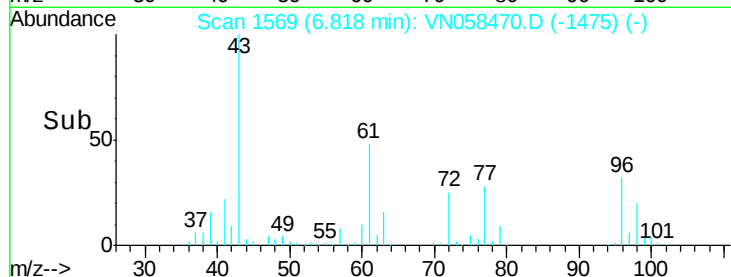
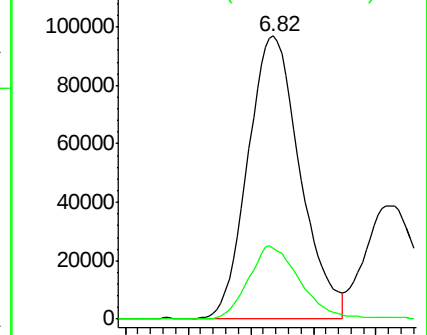
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.033 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN058470.D

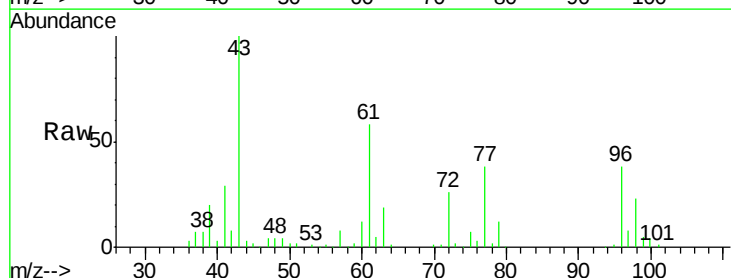
Acq: 1 Oct 2019 18:31

Tgt Ion: 77 Resp: 103965

Ion Ratio Lower Upper

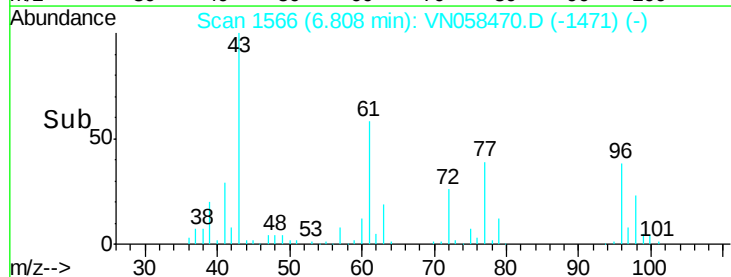
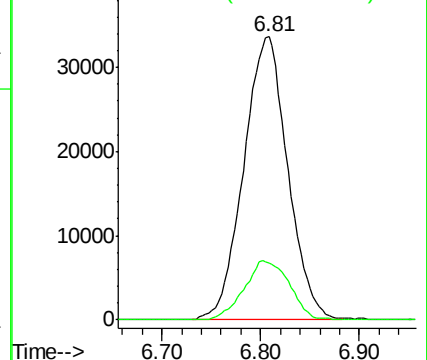
77 100

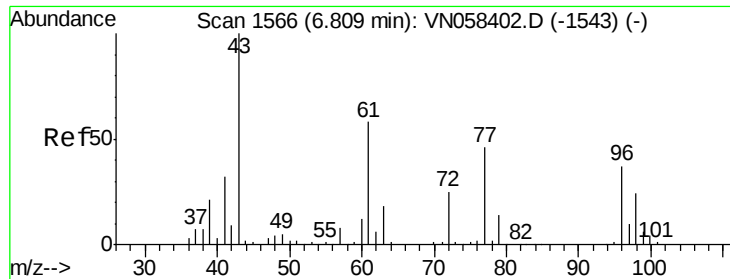
97 21.3 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





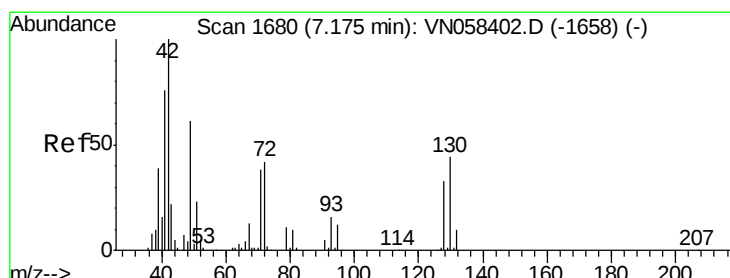
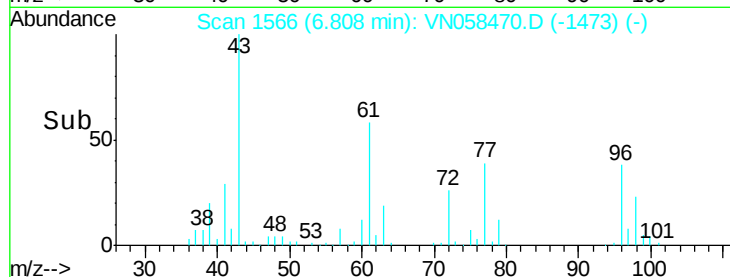
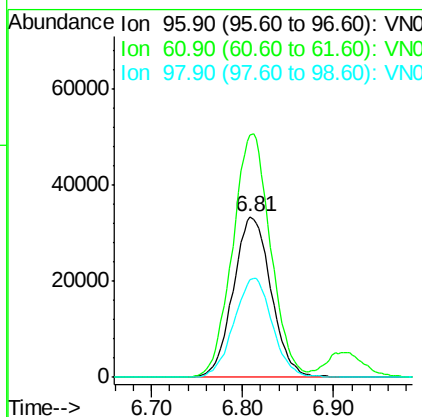
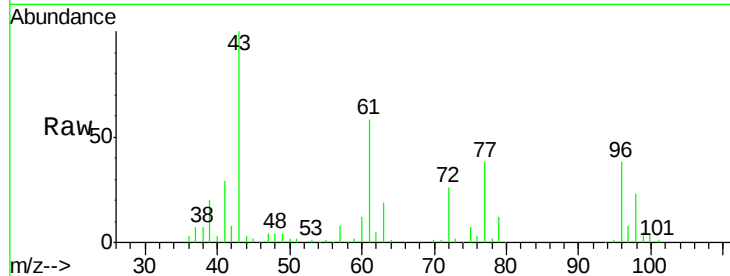
#27
 cis-1,2-Dichloroethene
 Concen: 22.045 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.1	0.0	318.8	
98	62.5	0.0	129.8	

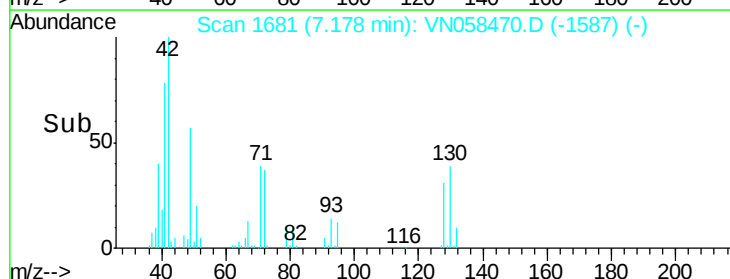
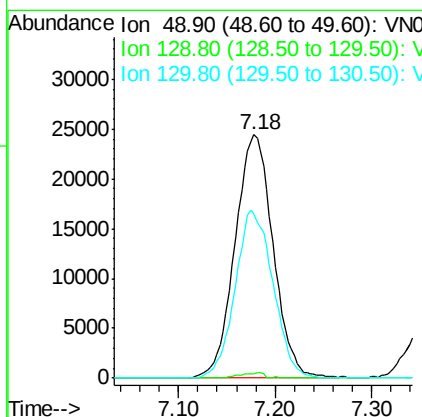
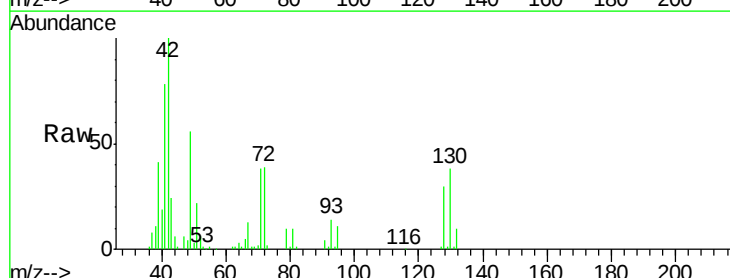
Manual Integrations
 APPROVED

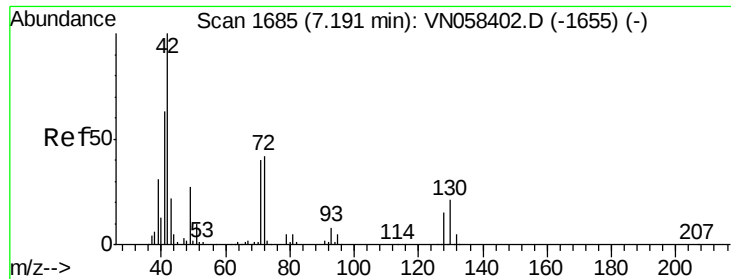
MMDadoda
 10/3/2019 12:35:59 PM



#28
 Bromochloromethane
 Concen: 22.547 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.4	
130	68.4	56.3	84.5	





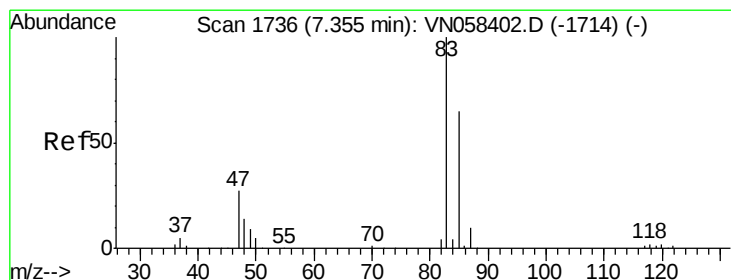
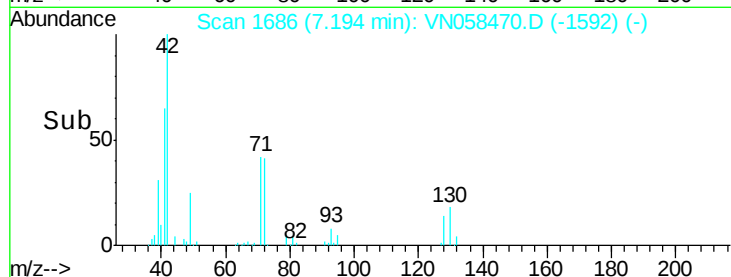
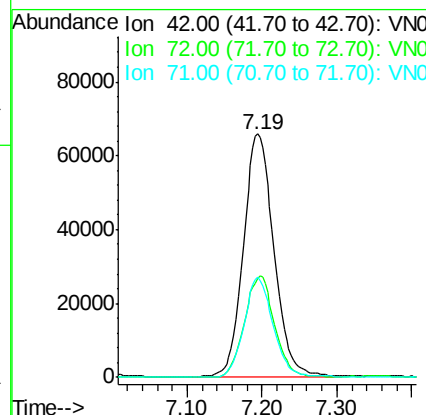
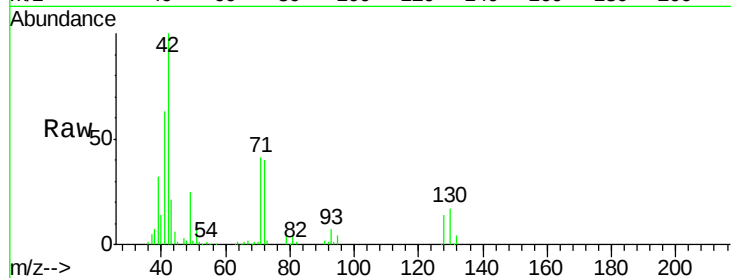
#29
Tetrahydrofuran
Concen: 121.307 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.7	50.5
71	39.1	31.8	47.6

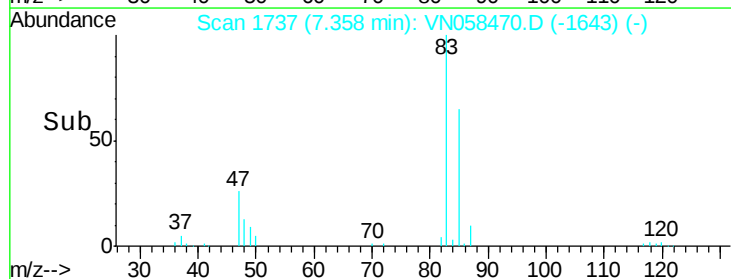
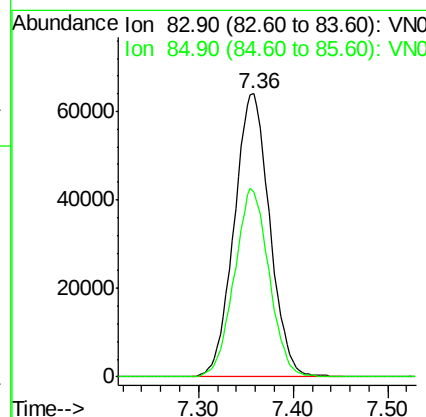
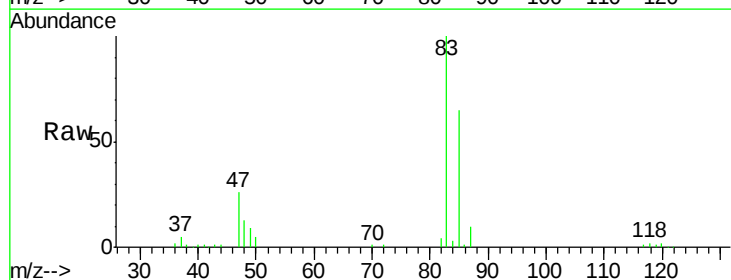
Manual Integrations
APPROVED

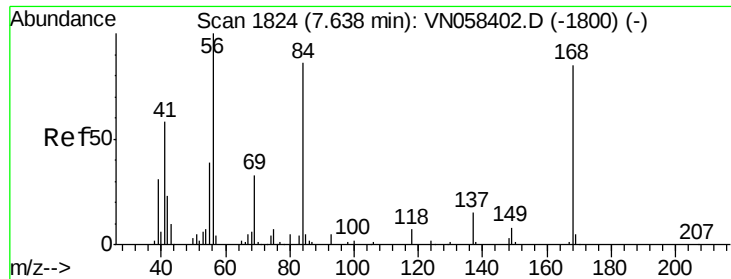
MMDadoda
10/3/2019 12:35:59 PM



#30
Chloroform
Concen: 22.174 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.0	78.0





#31

Cyclohexane

Concen: 21.230 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

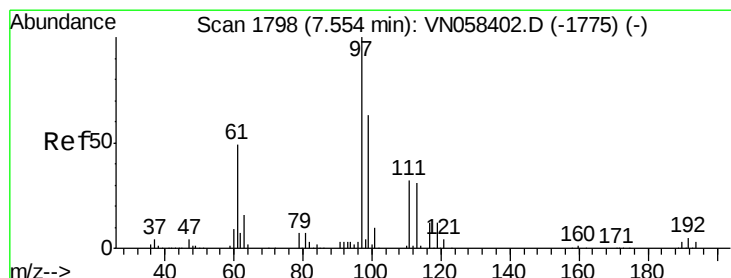
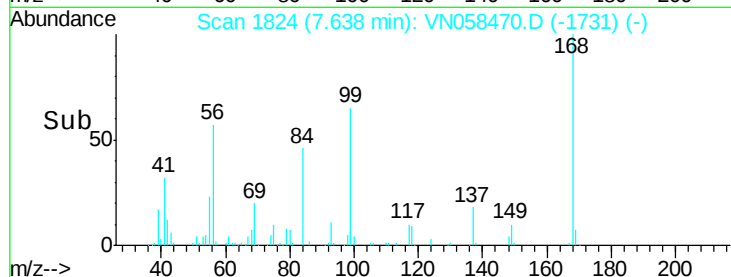
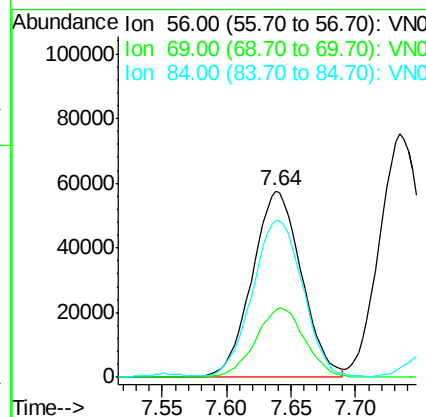
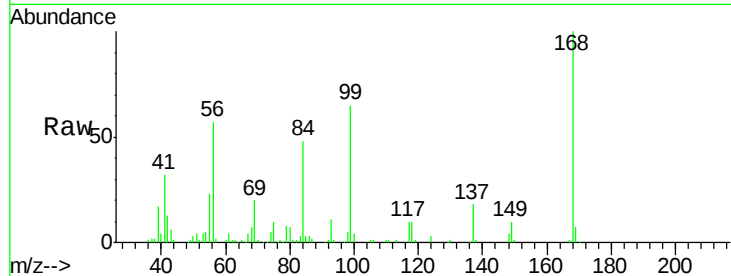
ClientSampleId :

VN1001WBSD01

Tot Ion:	56	Resp:	153319
Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.2	39.4
84	83.1	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.767 ug/l

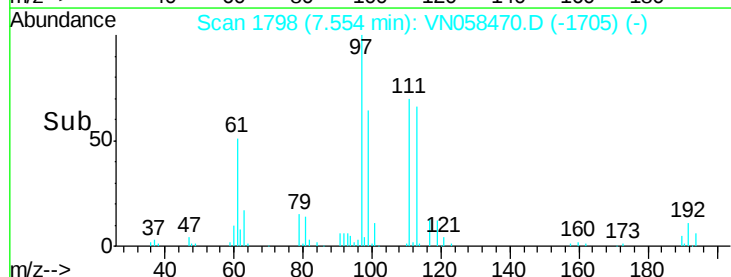
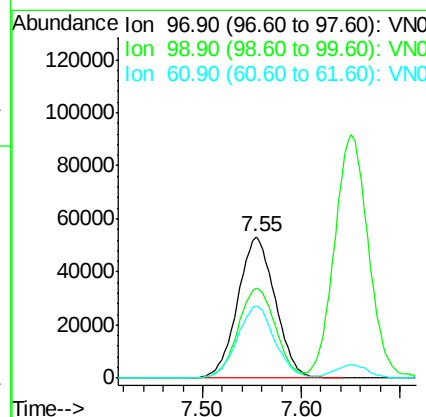
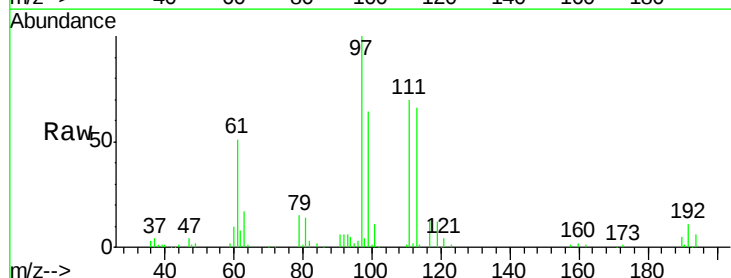
RT: 7.55 min Scan# 1798

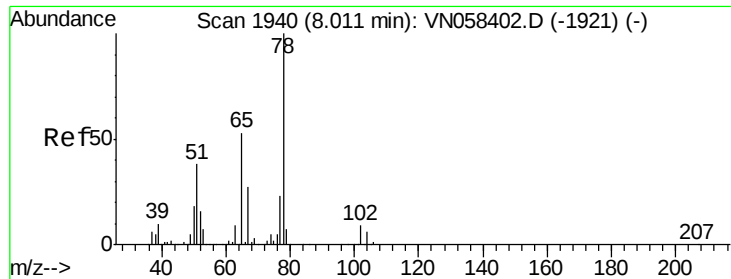
Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion:	97	Resp:	140656
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	50.6	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 54.075 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 65 Resp: 282179

Ion Ratio Lower Upper

65 100

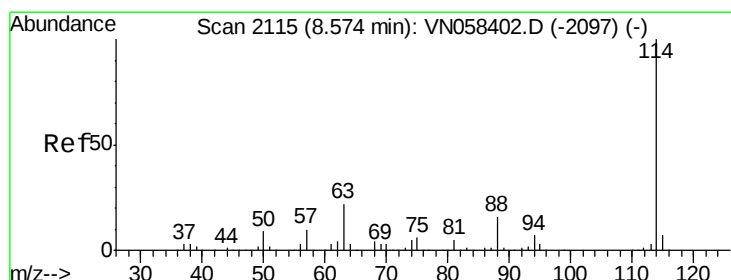
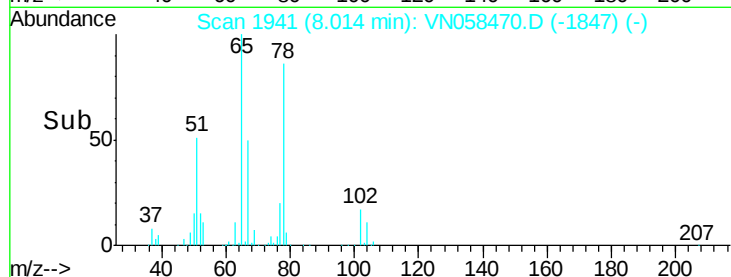
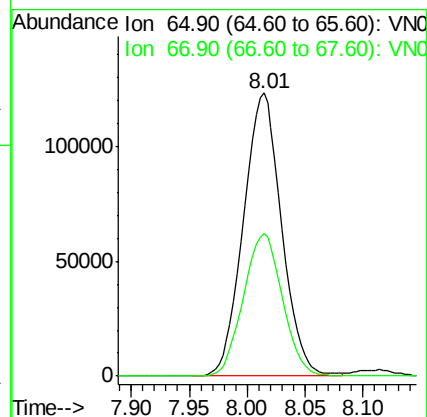
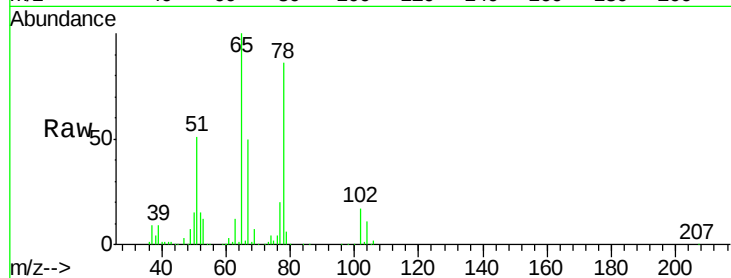
67 51.6 0.0 102.4

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: VN058470.D

Acq: 1 Oct 2019 18:31

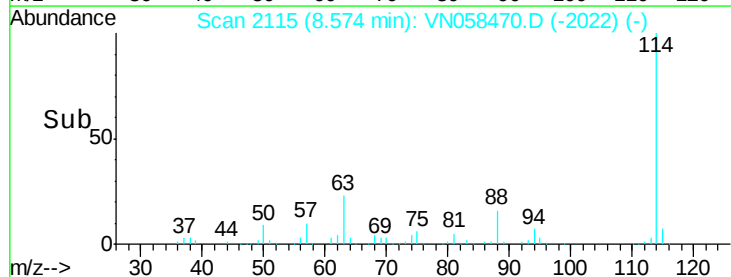
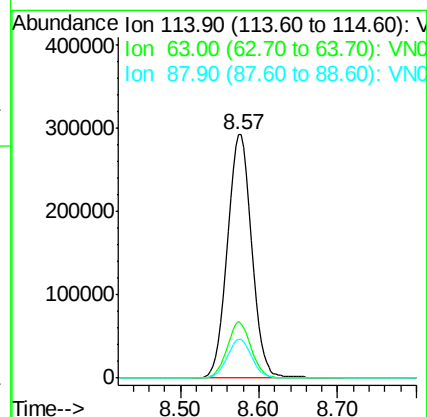
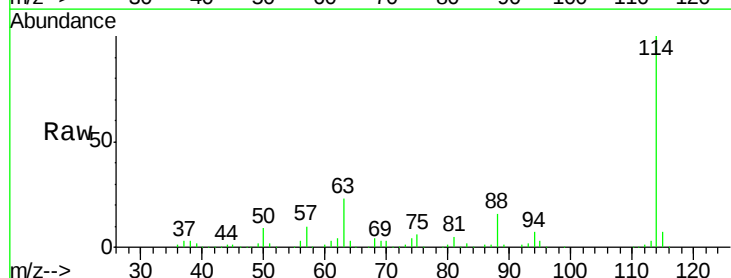
Tgt Ion: 114 Resp: 623548

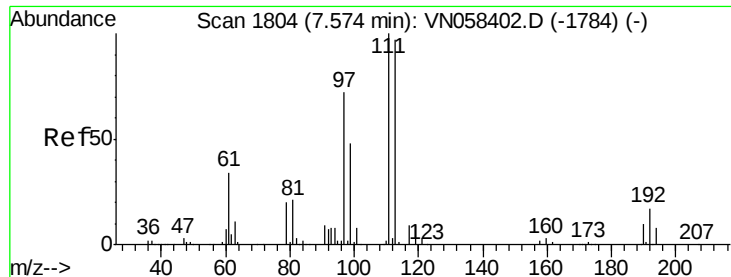
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

88 15.9 0.0 32.2





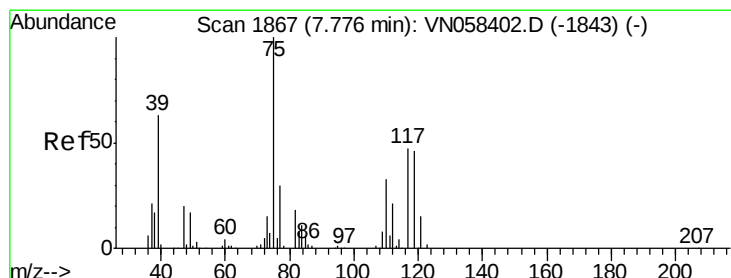
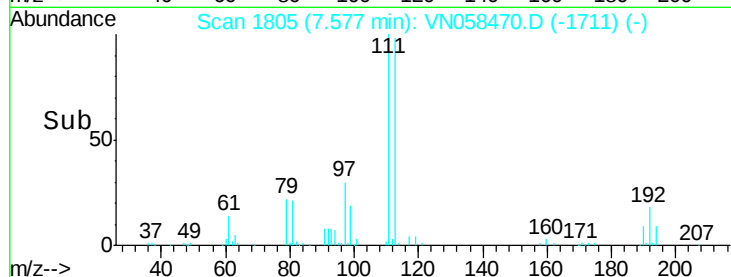
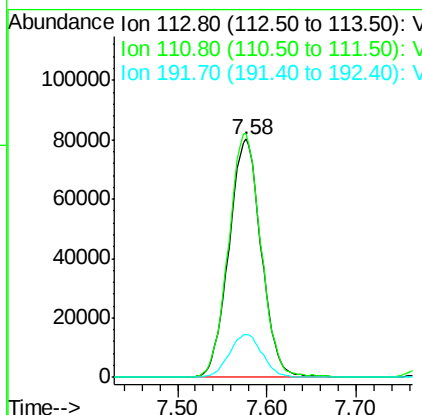
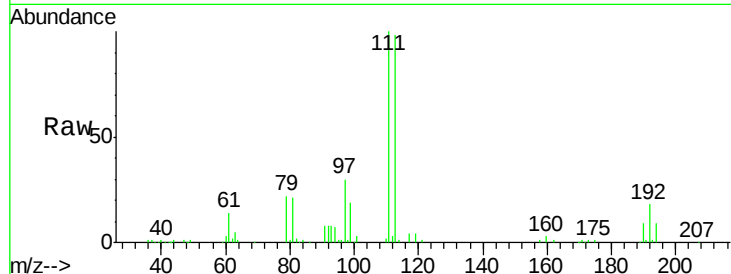
#35
Dibromofluoromethane
Concen: 52.744 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201569		
111	102.2		83.4	125.2
192	18.3		14.9	22.3

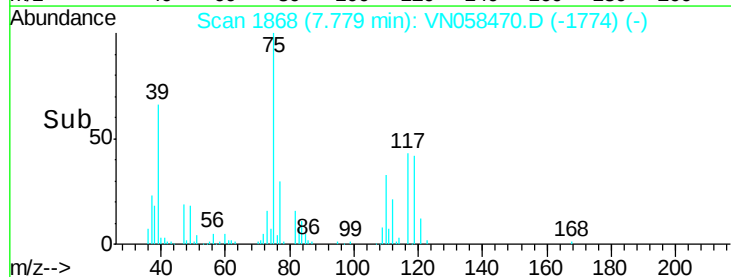
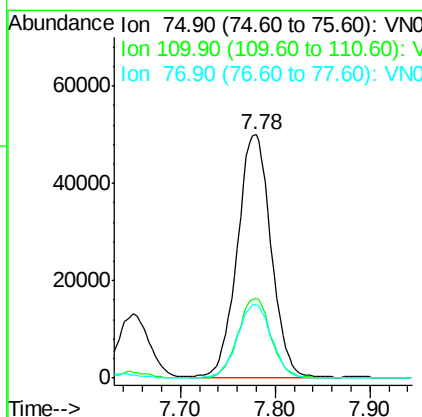
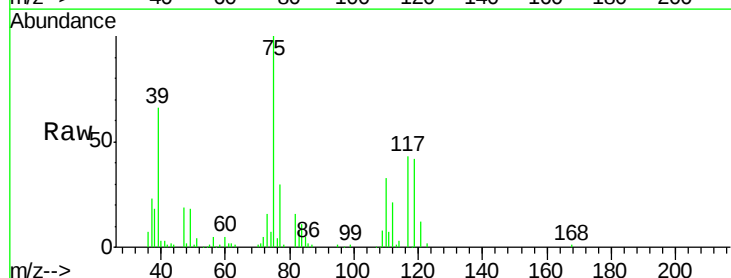
Manual Integrations
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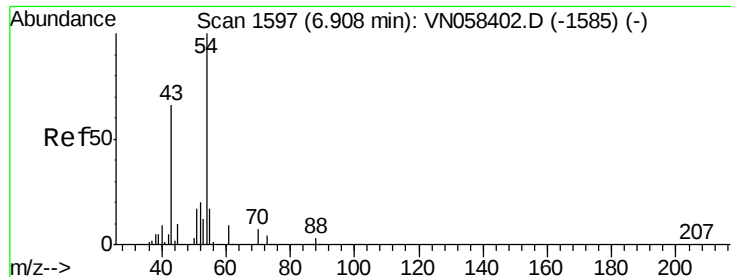
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#36
1,1-Dichloropropene
Concen: 20.721 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123548		
110	32.0		16.4	49.2
77	30.8		24.3	36.5





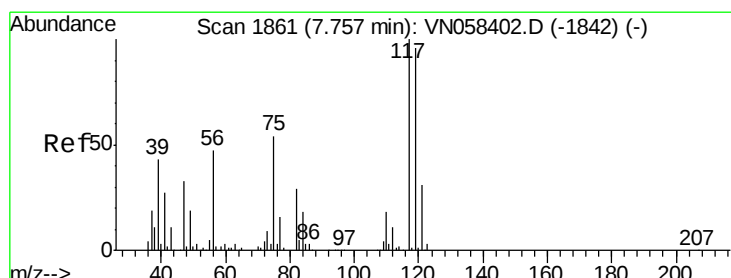
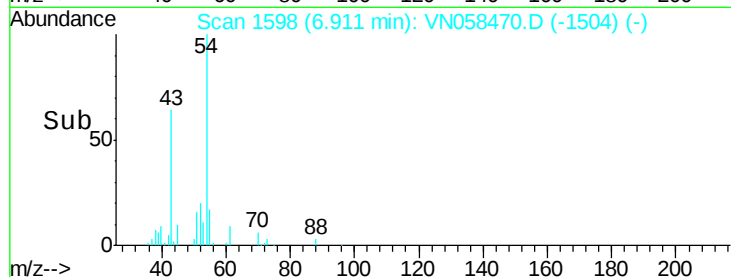
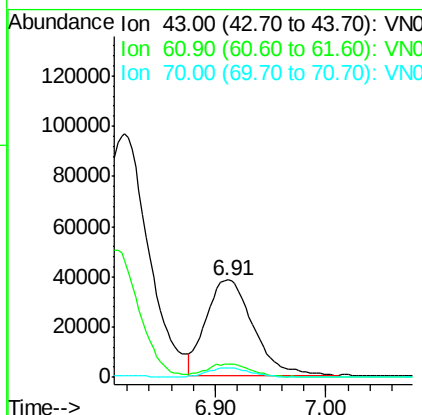
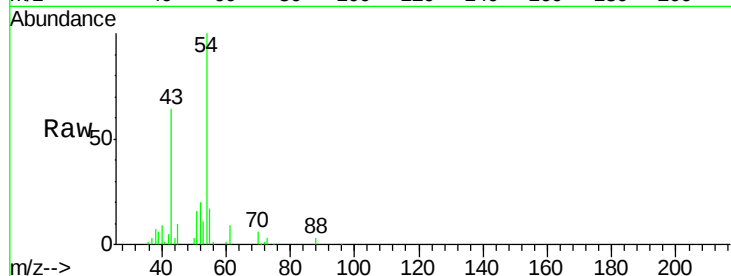
#37
Ethyl Acetate
Concen: 22.416 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.5	15.7
70	9.4	7.8	11.6

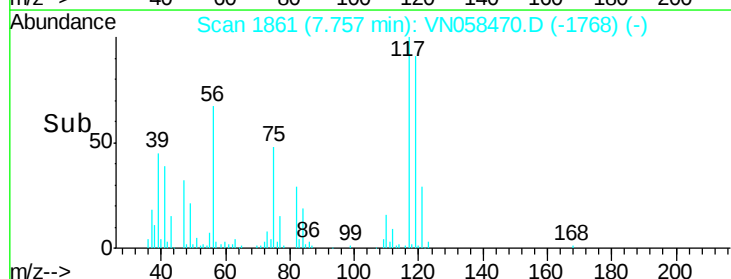
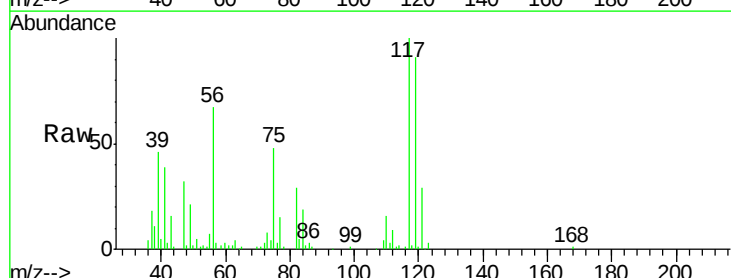
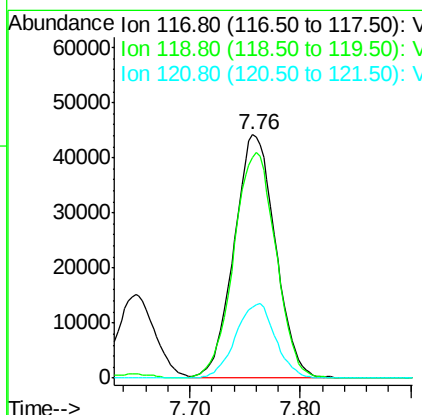
Manual Integrations
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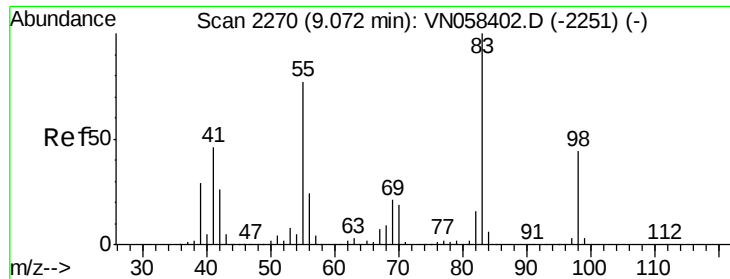
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.330 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	76.6	115.0
121	29.0	24.7	37.1





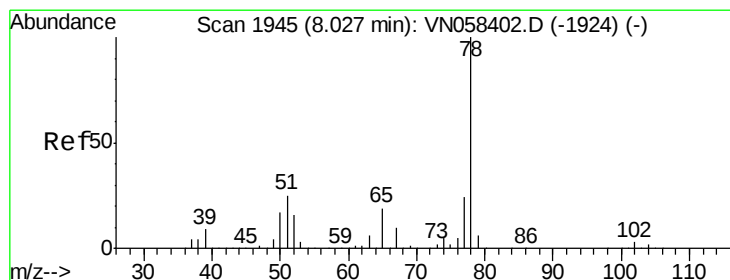
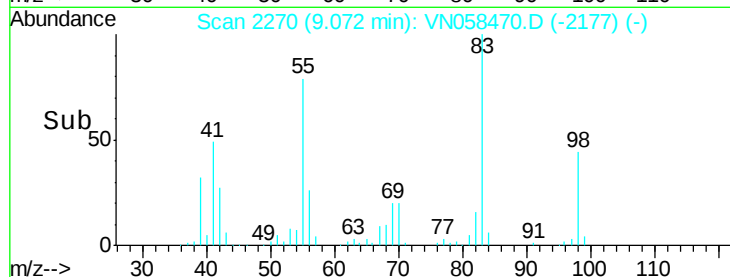
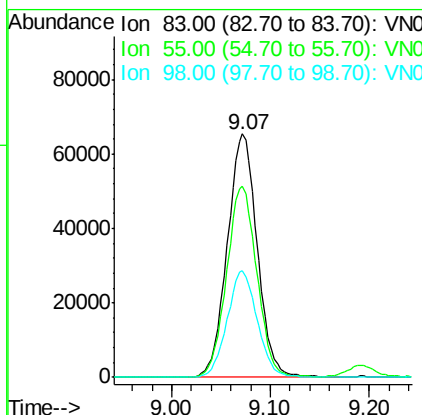
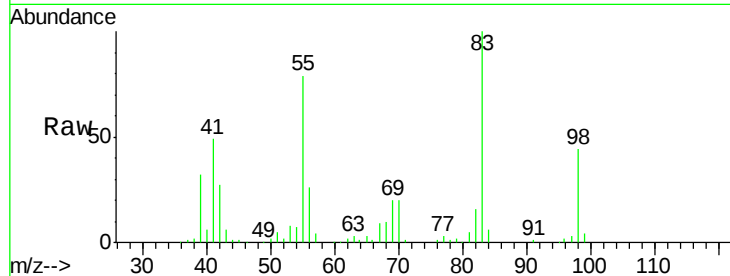
#39
Methylvlcyclohexane
Concen: 19.870 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	61.8	92.6
98	43.6	35.4	53.0

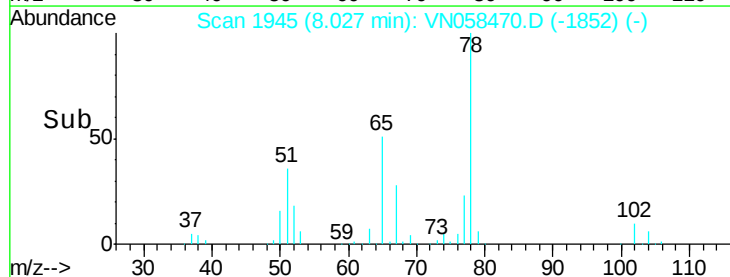
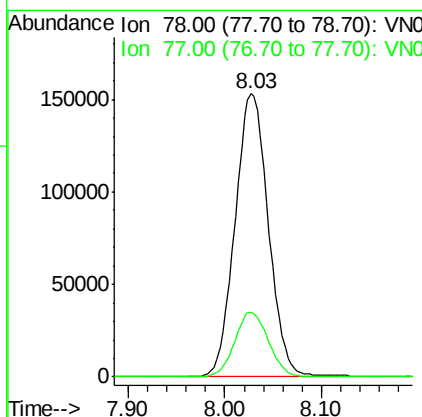
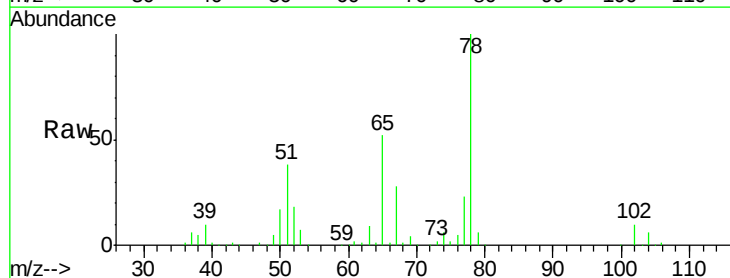
Manual Integrations
APPROVED

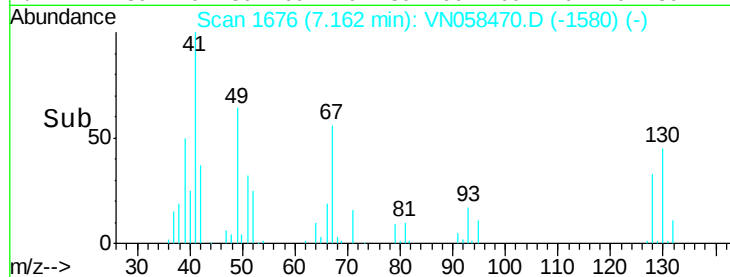
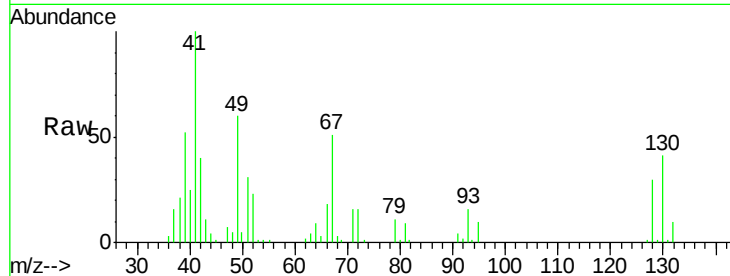
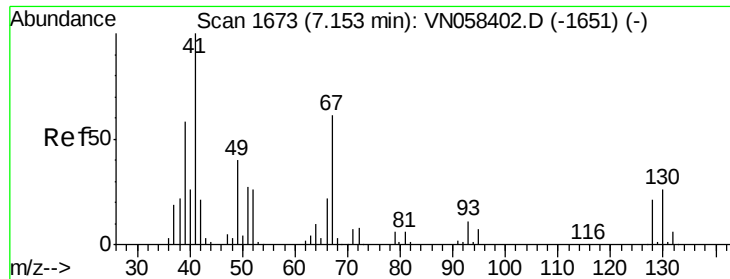
MMDadoda
10/3/2019 12:35:59 PM



#40
Benzene
Concen: 21.423 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.9	28.3





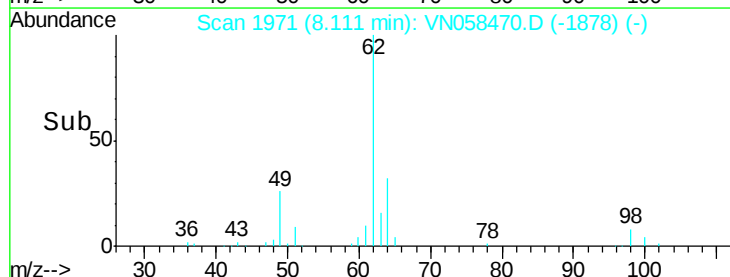
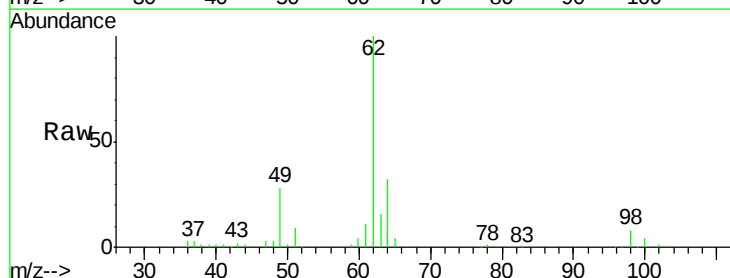
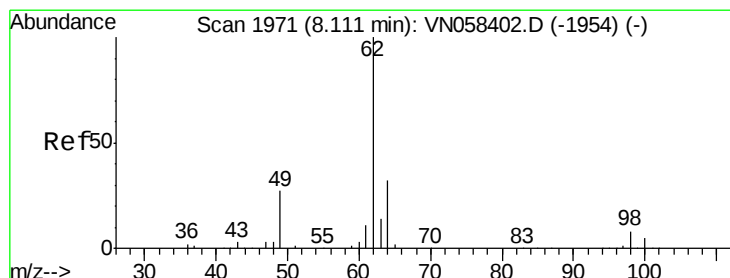
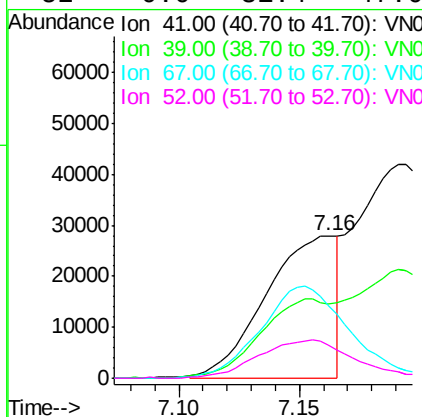
#41
Methacrylonitrile
Concen: 24.520 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tot Ion: 41 Resp: 57023
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

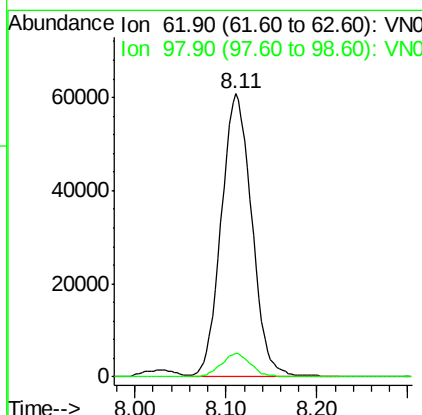
Manual Integrations
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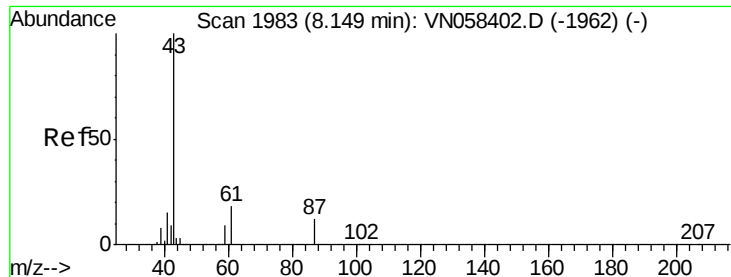
MMDadoda
10/3/2019 12:35:59 PM



#42
1,2-Dichloroethane
Concen: 21.174 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 62 Resp: 141182
Ion Ratio Lower Upper
62 100
98 8.1 0.0 15.6





#43

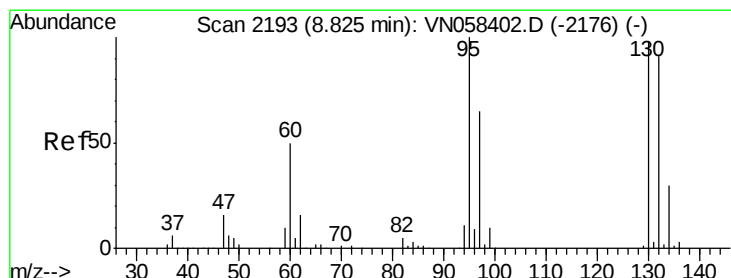
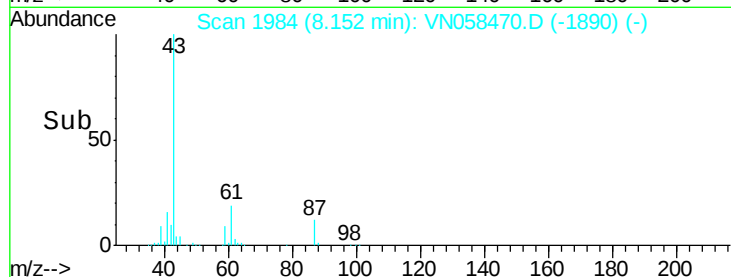
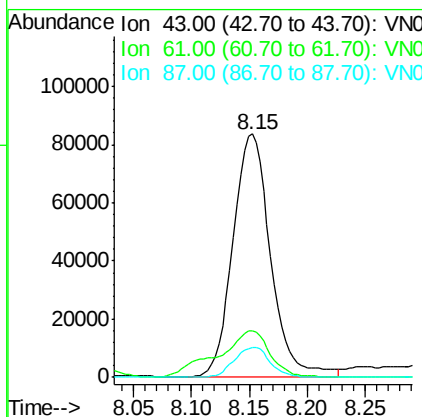
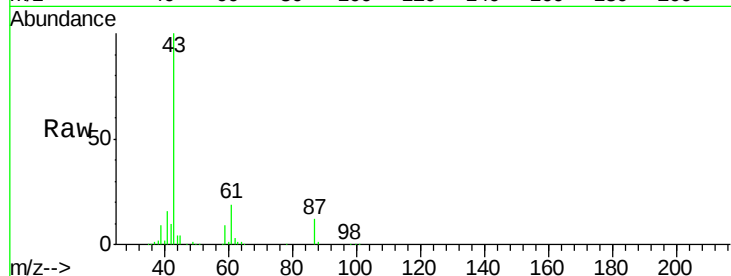
Isopropyl Acetate
 Concen: 19.782 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	14.8	22.2
87	11.9	9.7	14.5

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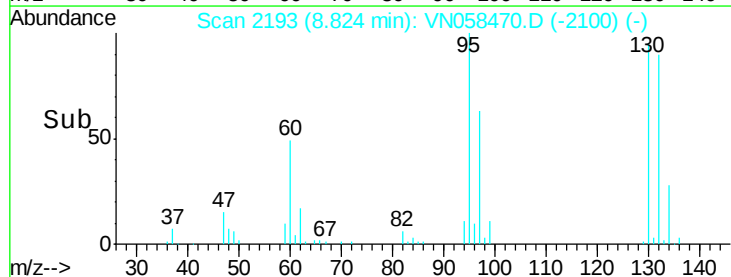
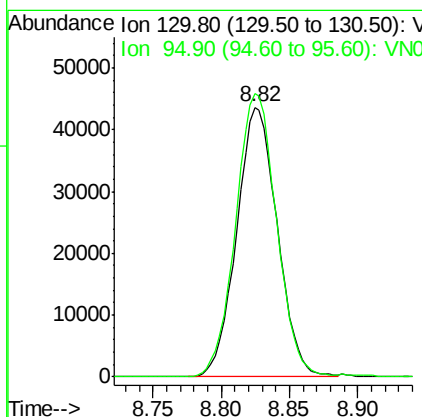
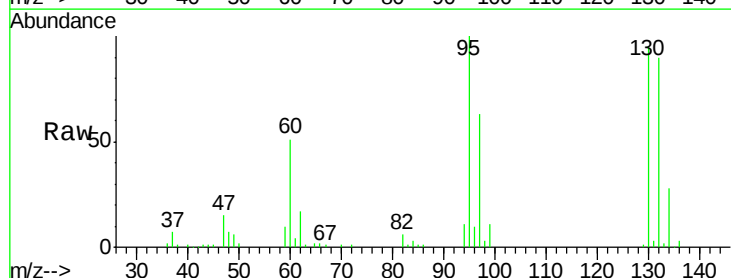
MMDadoda
 10/3/2019 12:35:59 PM

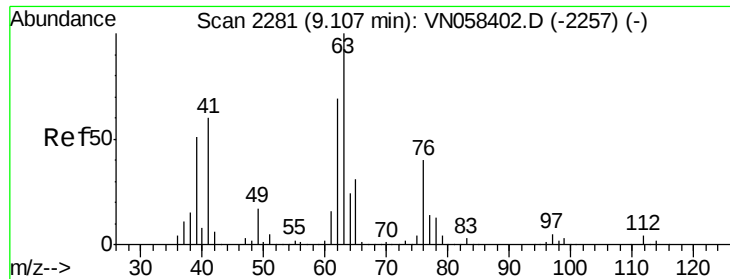


#44

Trichloroethene
 Concen: 21.329 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.9	0.0	204.2





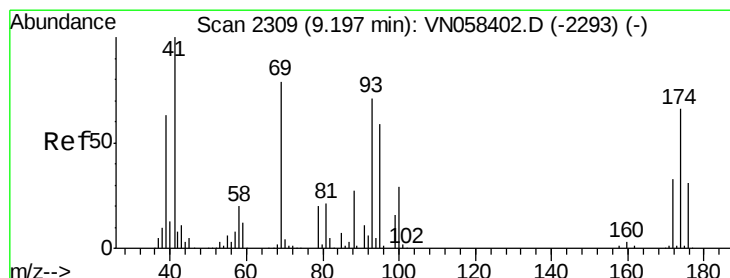
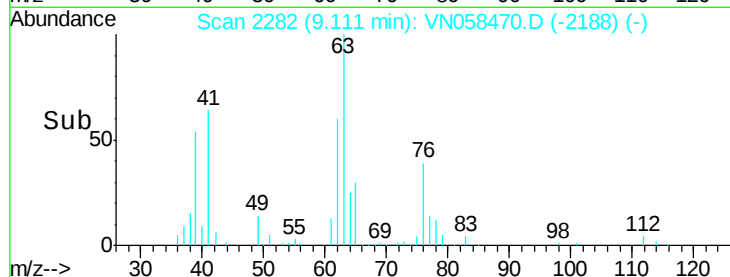
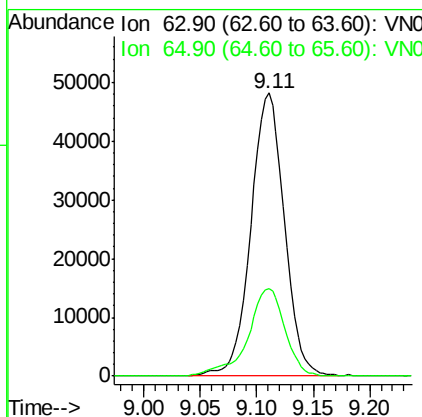
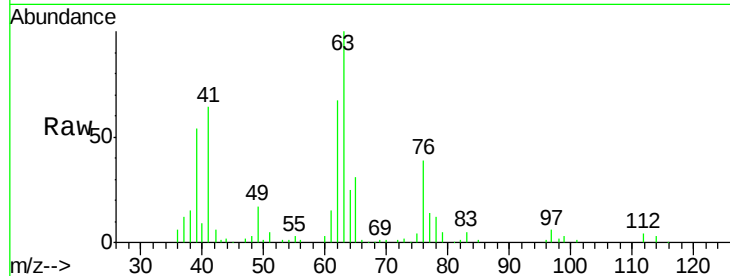
#45
 1,2-Dichloropropane
 Concen: 21.649 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion: 63 Resp: 99507
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

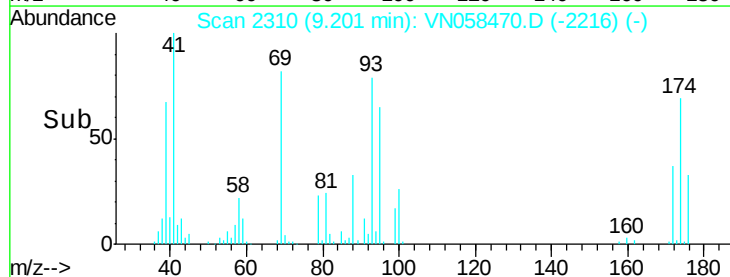
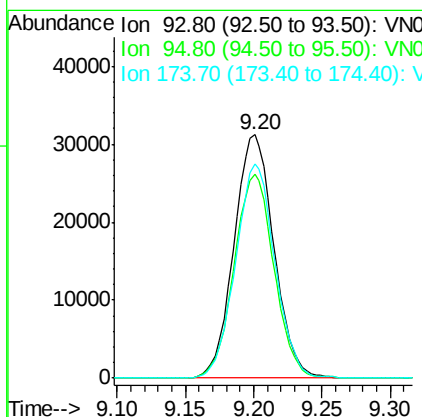
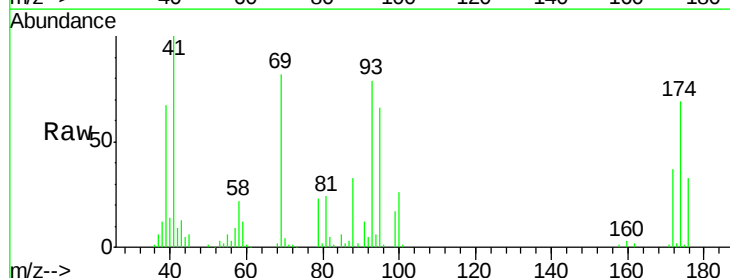
Manual Integrations
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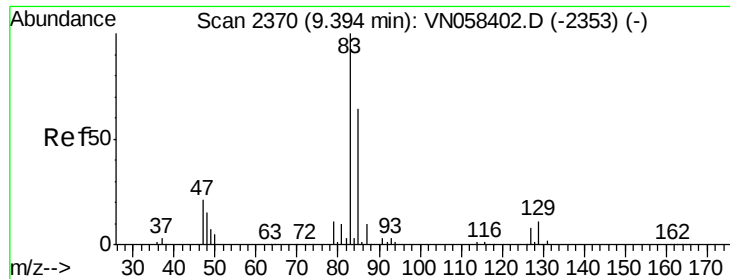
MMDadoda
 10/3/2019 12:35:59 PM



#46
 Dibromomethane
 Concen: 21.765 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion: 93 Resp: 63355
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.0 100.4
 174 87.0 74.2 111.2





#47

Bromodichloromethane

Concen: 22.654 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

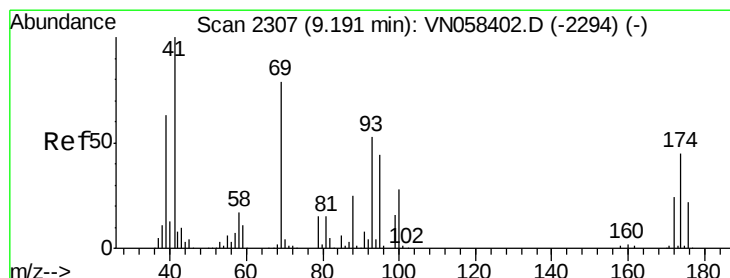
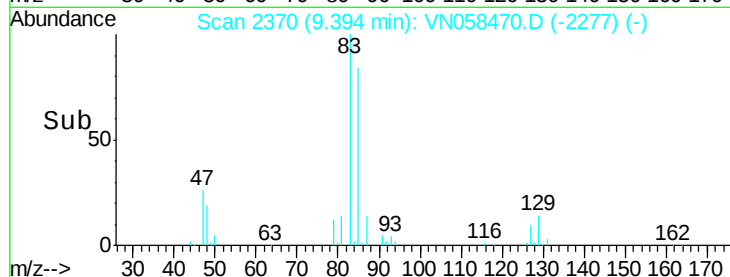
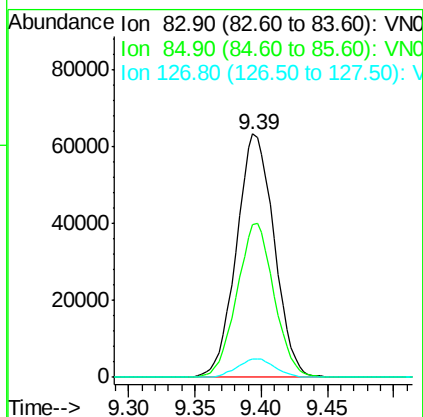
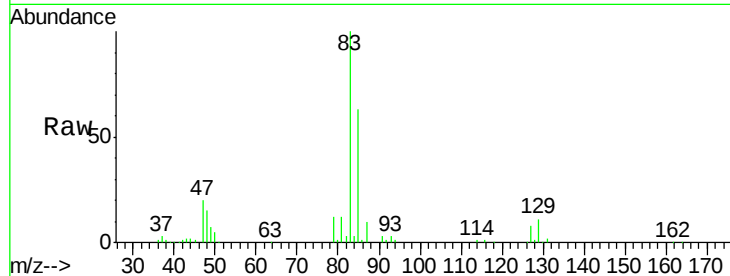
ClientSampleId :

VN1001WBSD01

Tot Ion:	83	Resp:	124940
Ion Ratio	Lower	Upper	
83	100		
85	62.6	51.2	76.8
127	7.6	6.3	9.5

Manual Integrations
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10/3/2019 12:35:59 PM



#48

Methyl methacrylate

Concen: 22.216 ug/l

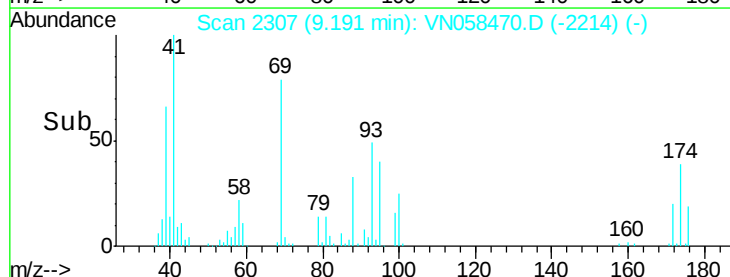
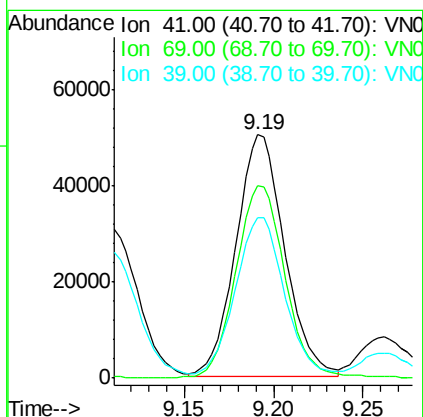
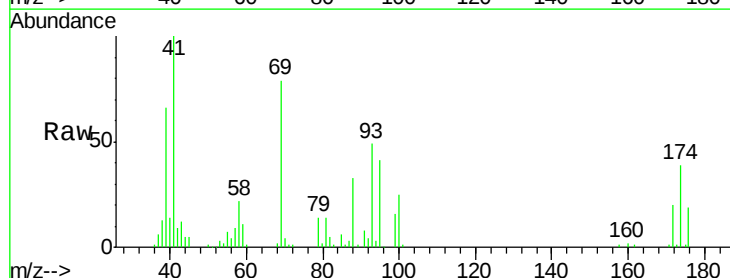
RT: 9.19 min Scan# 2307

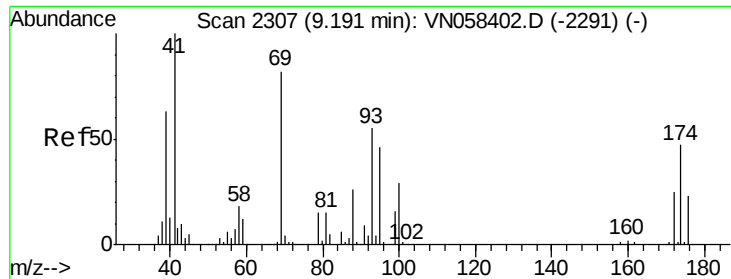
Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion:	41	Resp:	96163
Ion Ratio	Lower	Upper	
41	100		
69	80.3	64.7	97.1
39	67.2	52.9	79.3





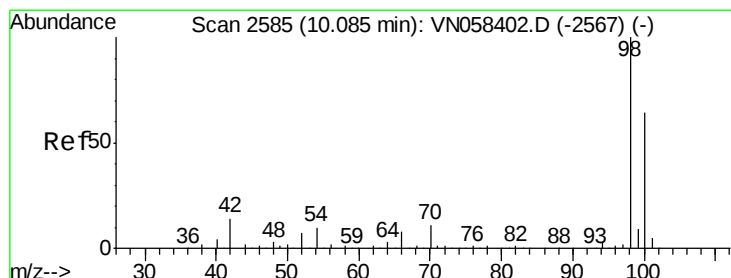
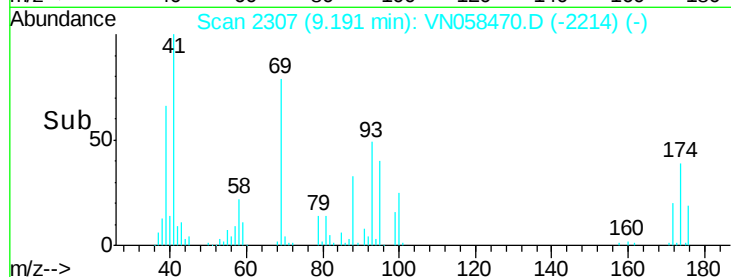
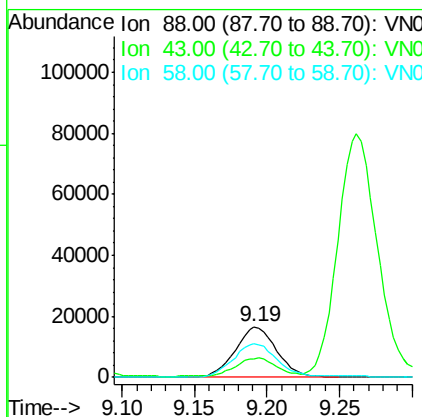
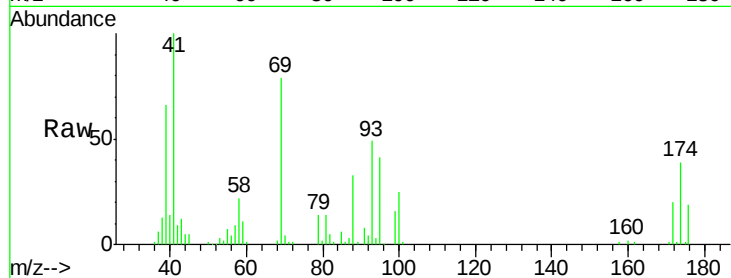
#49
1,4-Dioxane
Concen: 568.498 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	88	Resp	32903
Ion	Ratio	Lower	Upper
88	100		
43	35.2	31.1	46.7
58	70.0	58.1	87.1

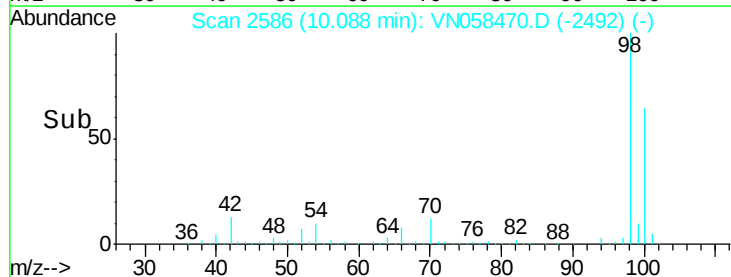
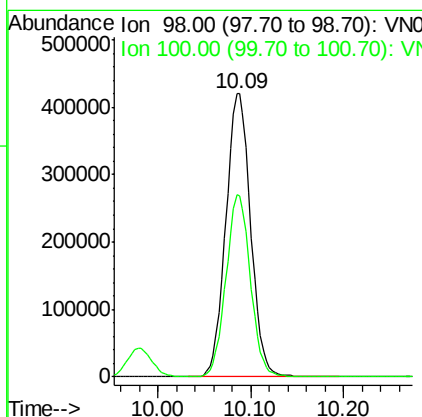
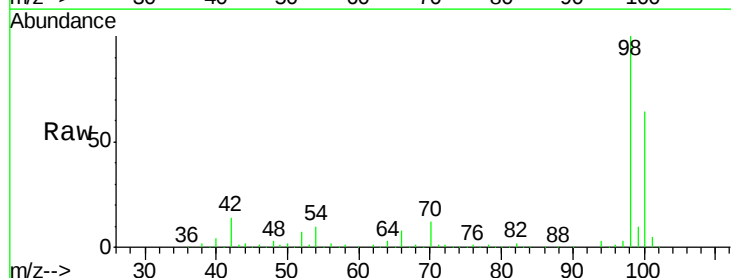
Manual Integrations
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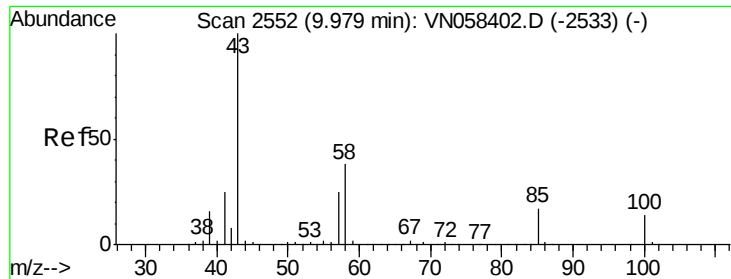
MMDadoda
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#50
Toluene-d8
Concen: 52.030 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	98	Resp	778940
Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 123.355 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 43 Resp: 602322

Ion Ratio Lower Upper

43 100

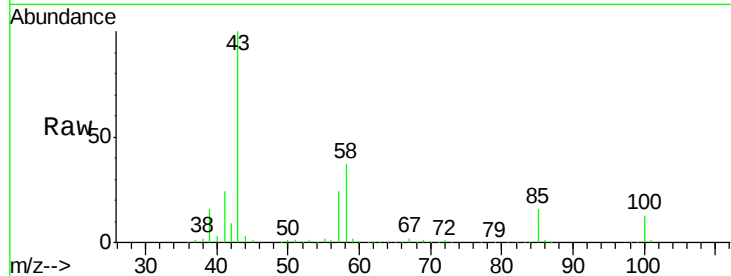
58 36.4 30.2 45.2

Manual Integrations

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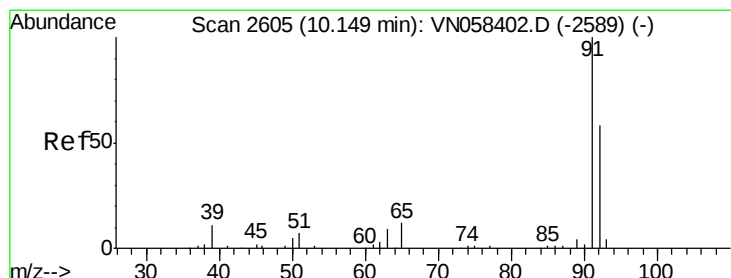
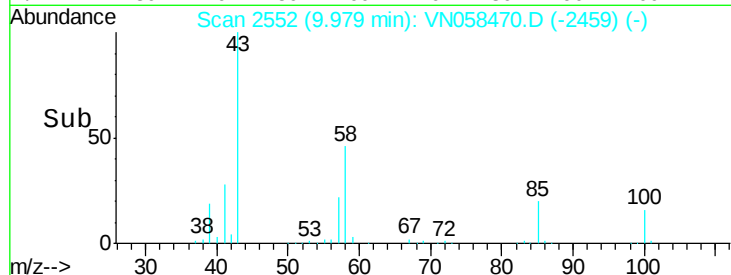
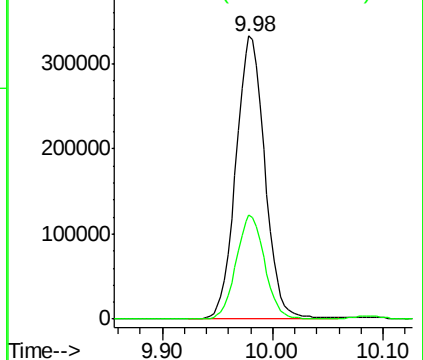
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.603 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058470.D

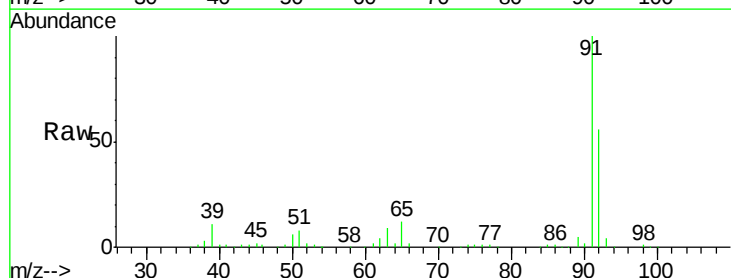
Acq: 1 Oct 2019 18:31

Tgt Ion: 92 Resp: 222259

Ion Ratio Lower Upper

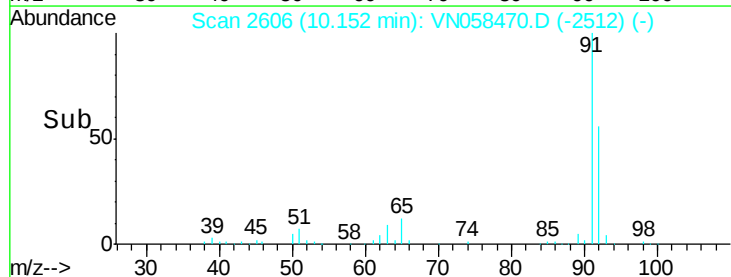
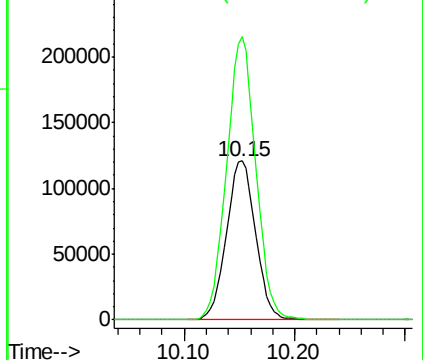
92 100

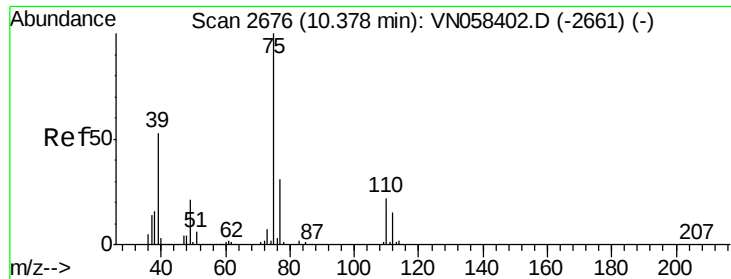
91 177.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





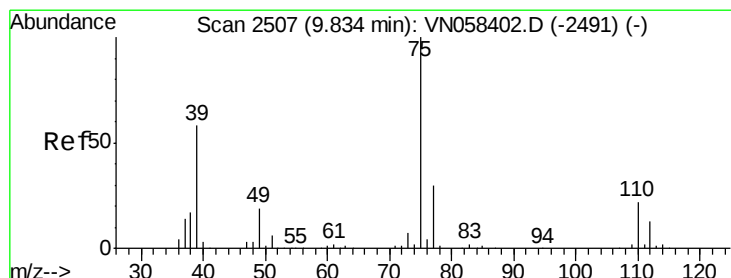
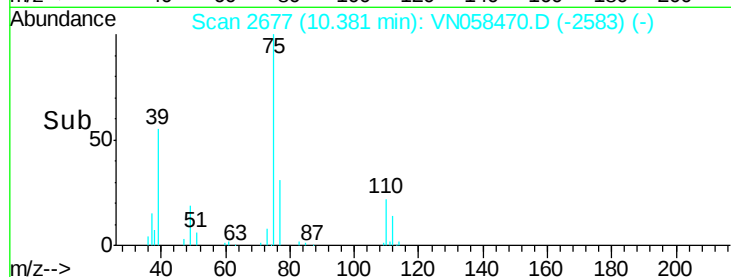
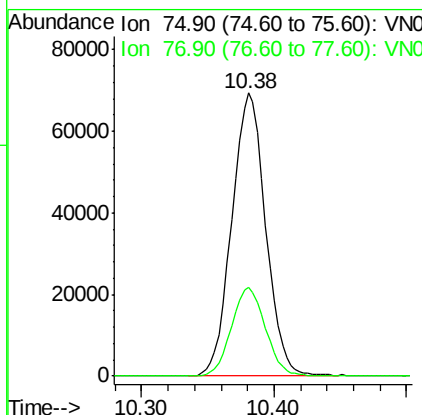
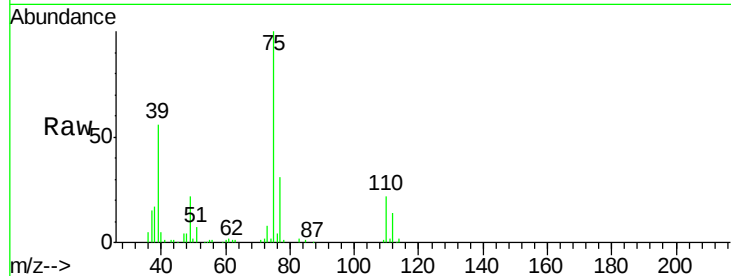
#53
t-1,3-Dichloropropene
Concen: 20.491 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 75 Resp: 123002
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8

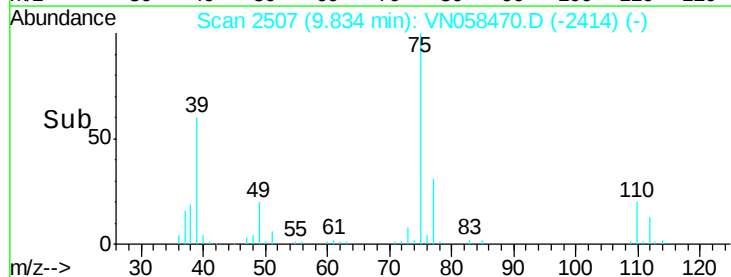
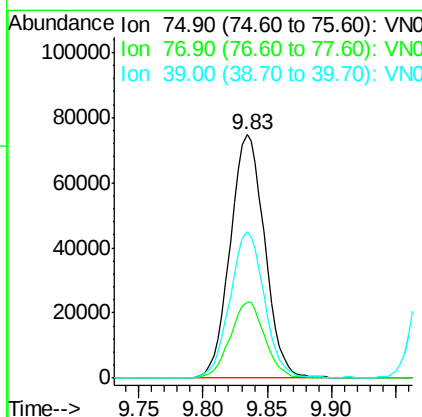
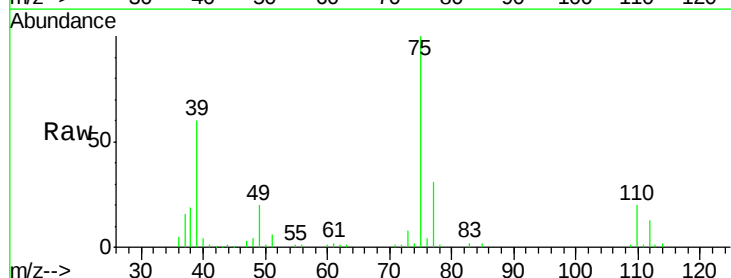
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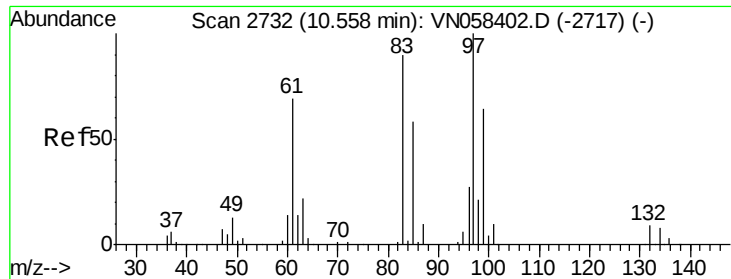
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.826 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 75 Resp: 138771
Ion Ratio Lower Upper
75 100
77 31.4 24.2 36.4
39 59.6 46.4 69.6





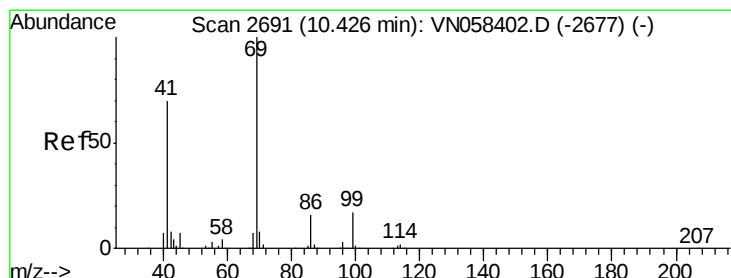
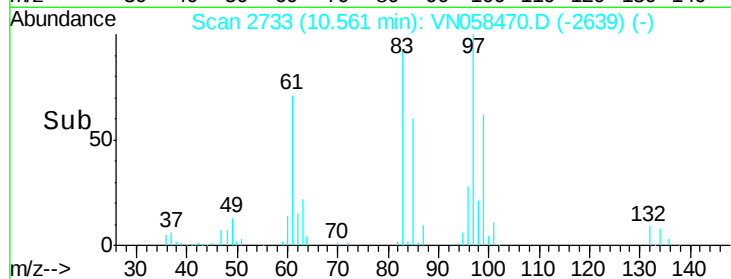
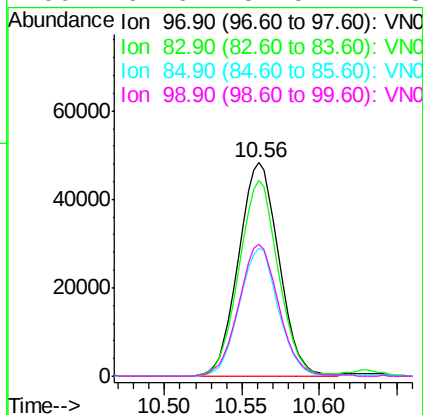
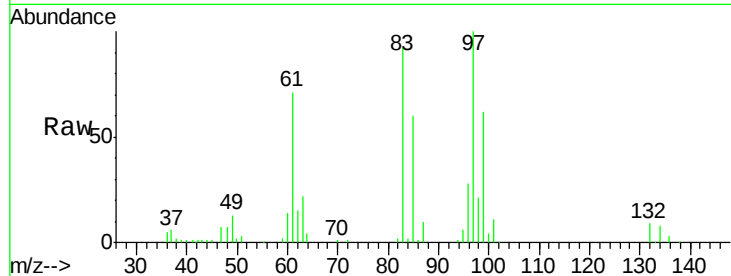
#55
 1,1,2-Trichloroethane
 Concen: 22.342 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.8	71.8	107.6
85	60.0	46.6	69.8
99	61.6	51.5	77.3

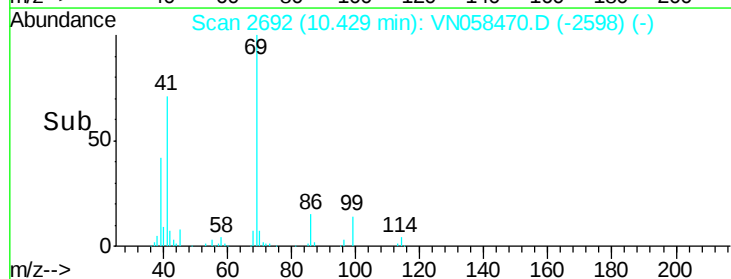
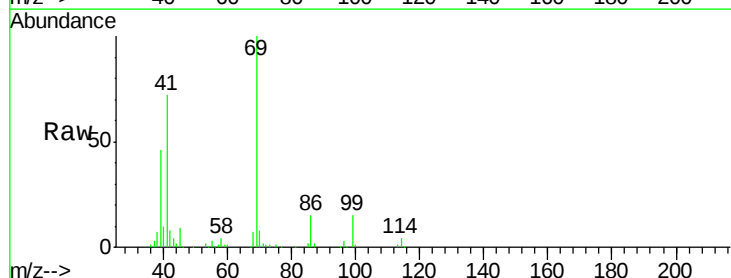
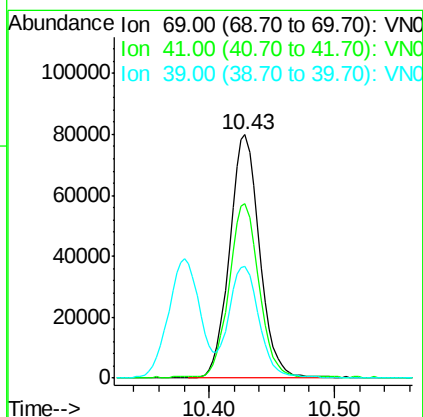
Manual Integrations
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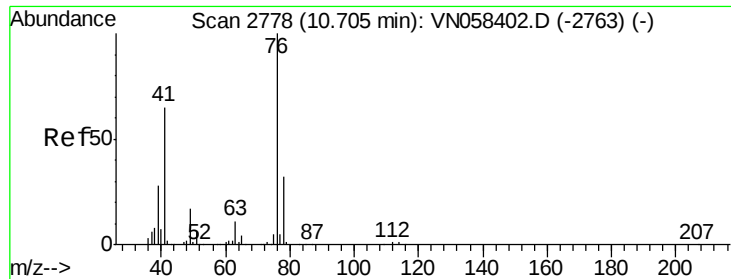
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 22.275 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.3	84.5
39	46.9	35.8	53.6





#57

1,3-Dichloropropane

Concen: 21.753 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 76 Resp: 152409

Ion Ratio Lower Upper

76 100

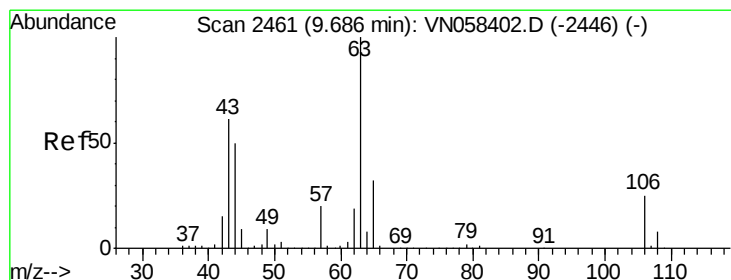
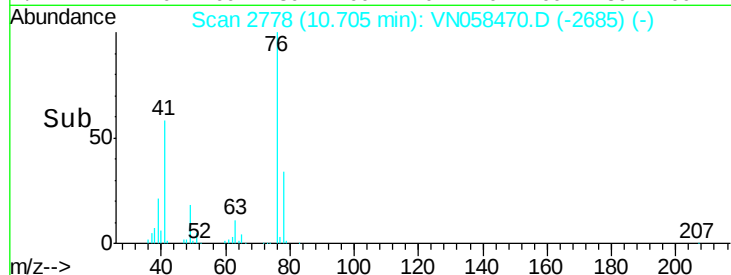
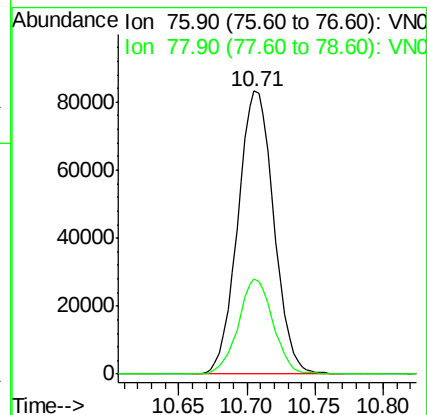
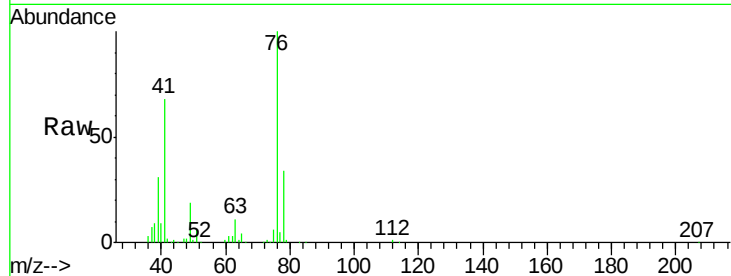
78 32.5 25.7 38.5

Manual Integrations

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MMDadoda

10/3/2019 12:35:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 104.375 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058470.D

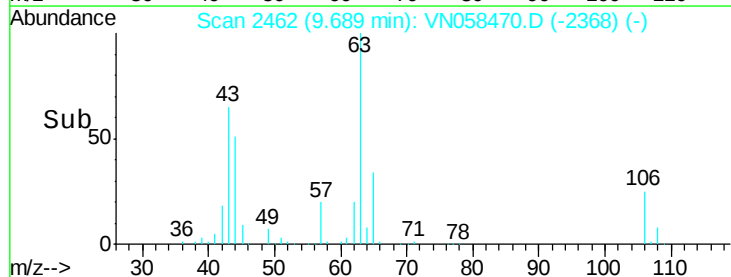
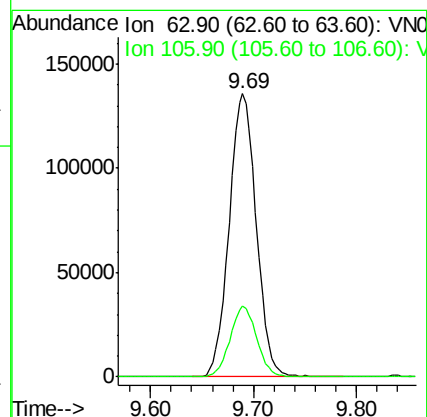
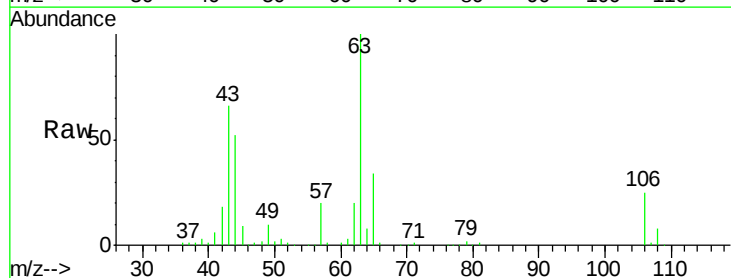
Acq: 1 Oct 2019 18:31

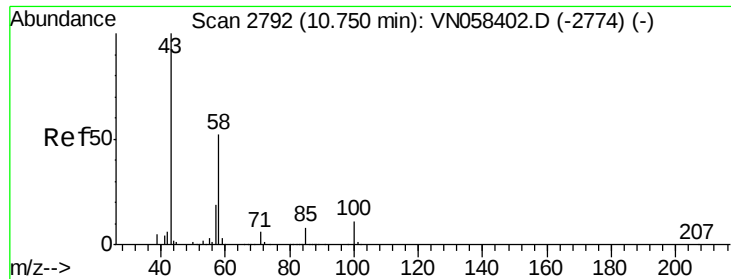
Tgt Ion: 63 Resp: 248059

Ion Ratio Lower Upper

63 100

106 24.6 20.3 30.5





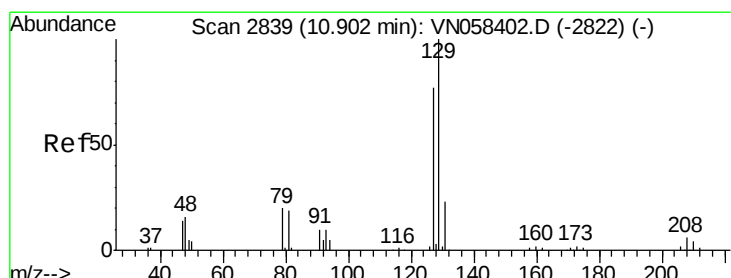
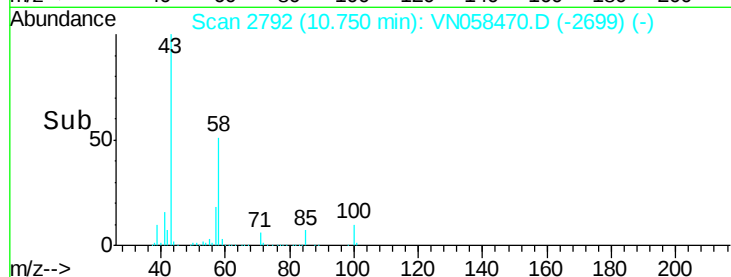
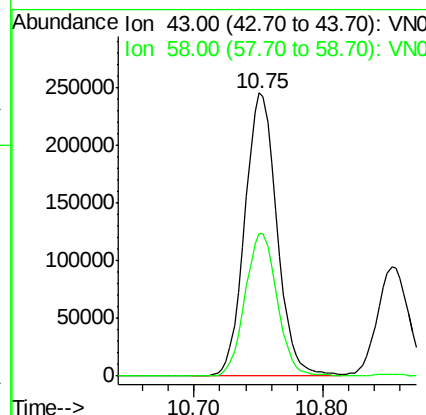
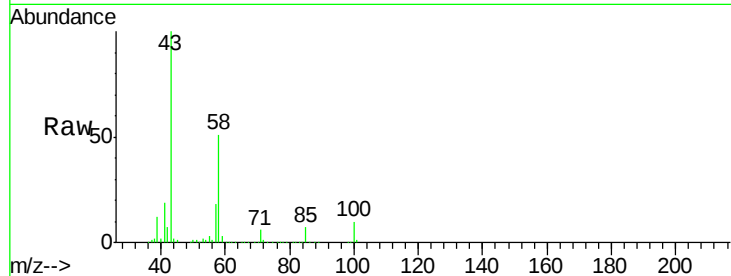
#59
2-Hexanone
Concen: 119.392 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 43 Resp: 424490
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3

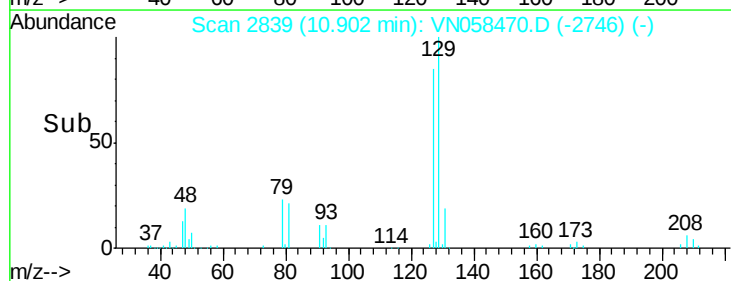
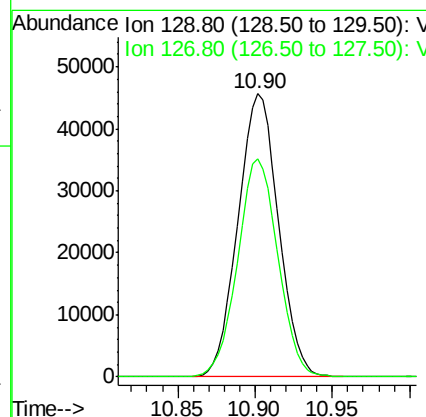
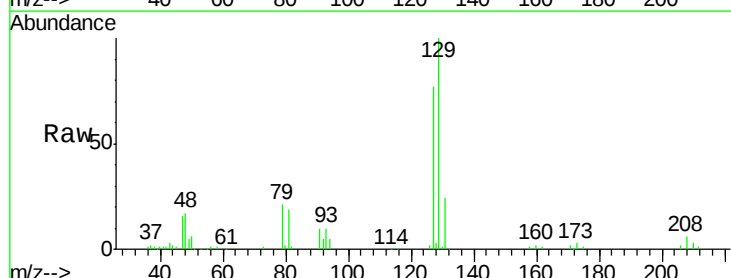
Manual Integrations
APPROVED

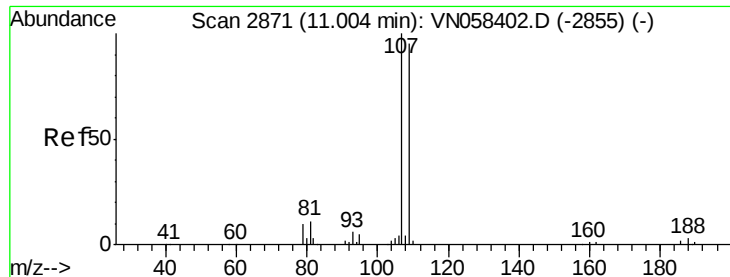
MMDadoda
10/3/2019 12:35:59 PM



#60
Dibromochloromethane
Concen: 20.091 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 129 Resp: 83067
Ion Ratio Lower Upper
129 100
127 76.6 38.3 114.8





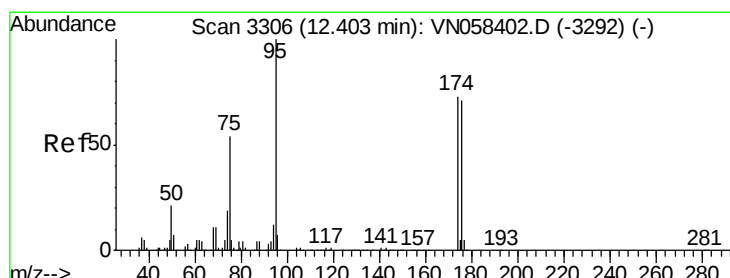
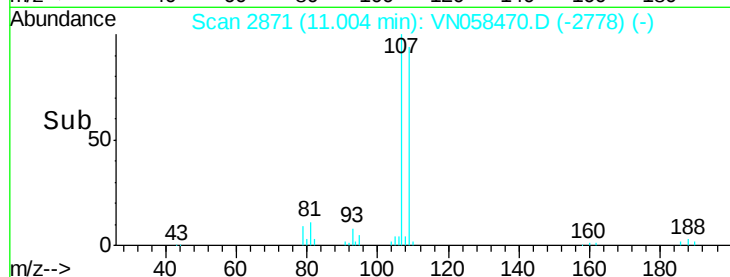
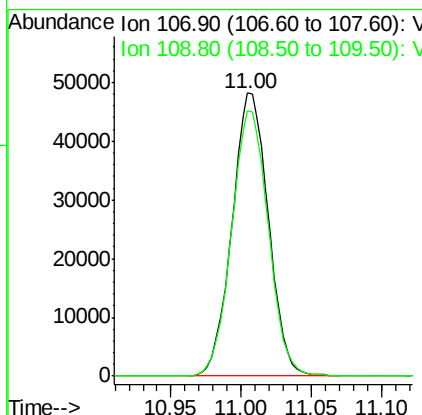
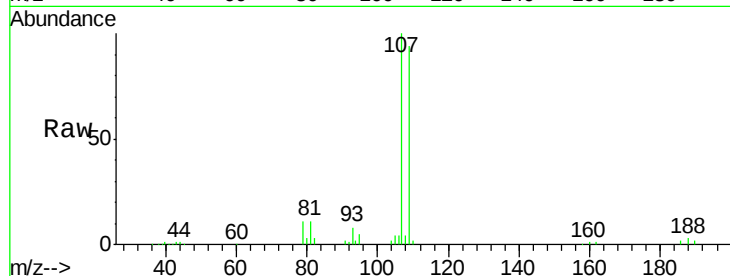
#61
 1,2-Dibromoethane
 Concen: 21.695 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion: 107 Resp: 87073
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.3 112.9

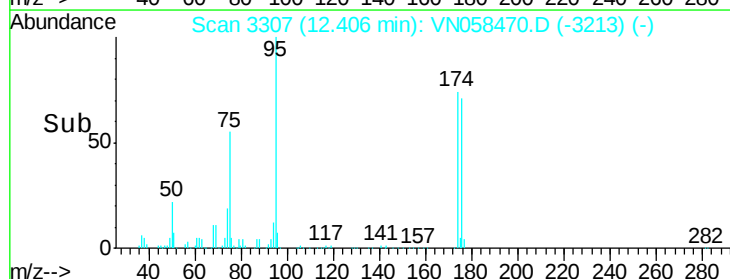
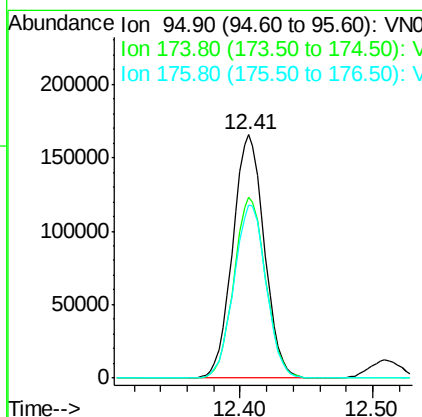
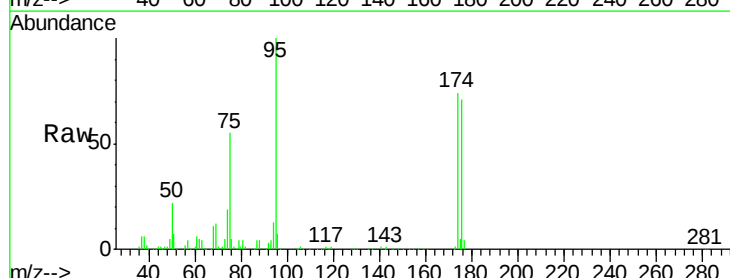
Manual Integrations
 APPROVED

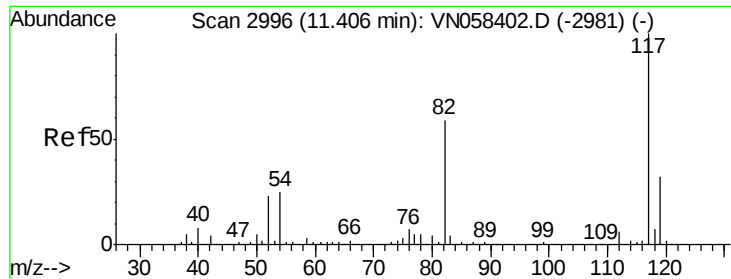
MMDadoda
 10/3/2019 12:35:59 PM



#62
 4-Bromofluorobenzene
 Concen: 50.630 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion: 95 Resp: 274074
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 150.6
 176 72.3 0.0 146.2





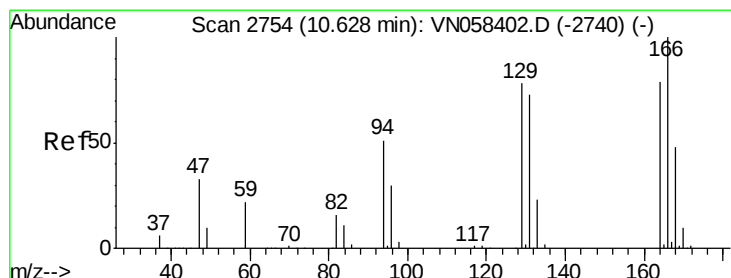
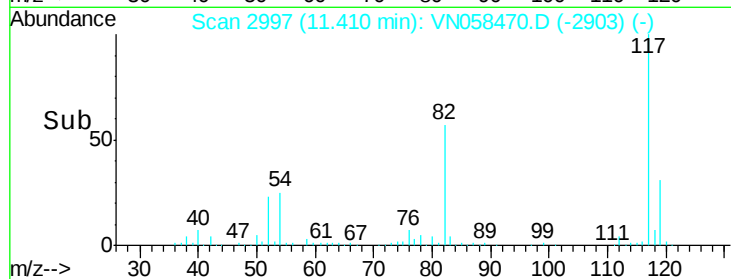
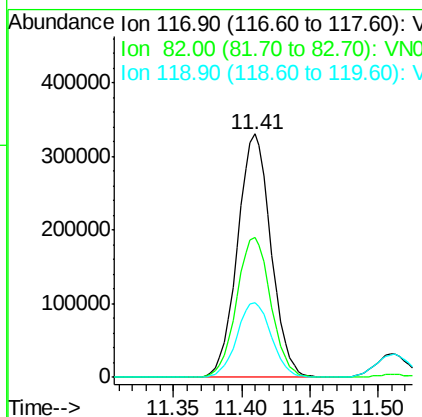
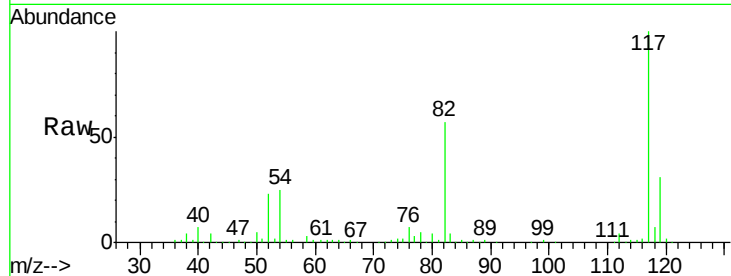
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	47.4	71.0
119	30.8	25.5	38.3

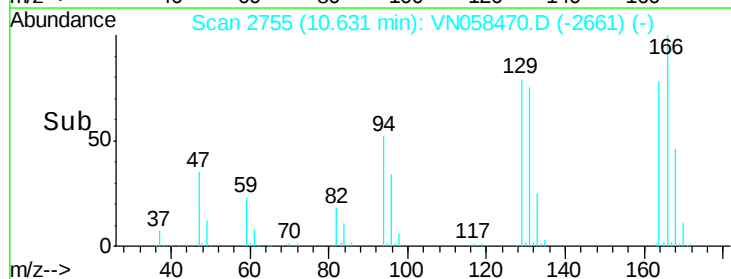
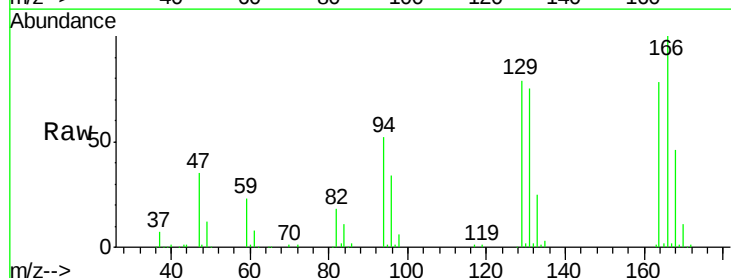
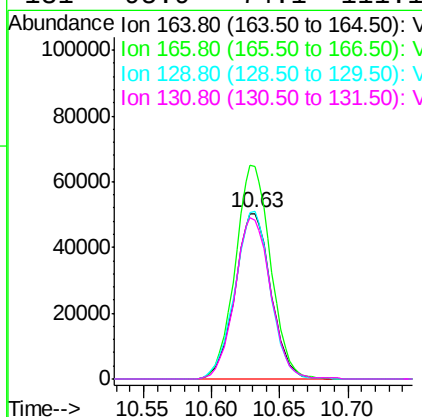
Manual Integrations
APPROVED

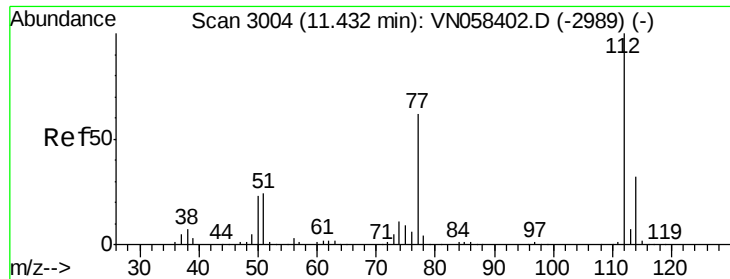
MMDadoda
10/3/2019 12:35:59 PM



#64
Tetrachloroethene
Concen: 25.635 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	101.1	151.7
129	101.8	79.2	118.8
131	95.9	74.1	111.1





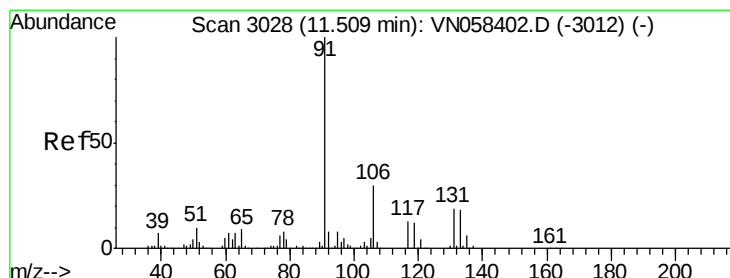
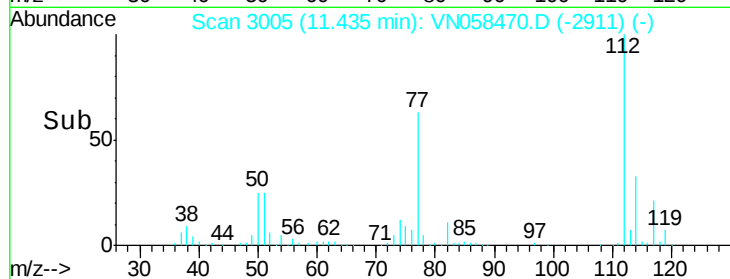
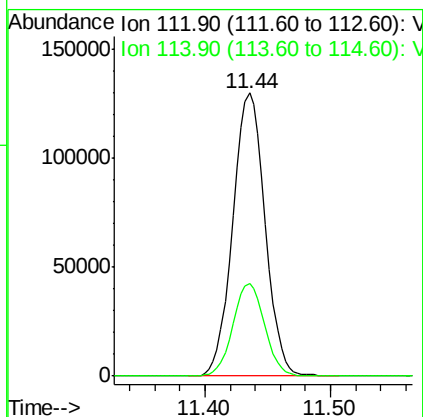
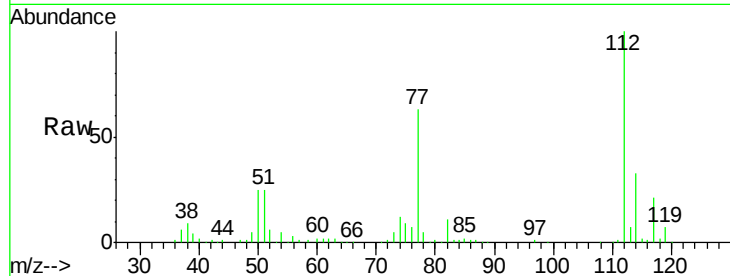
#65
Chlorobenzene
Concen: 20.711 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

Tot Ion:112 Resp: 231805
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2

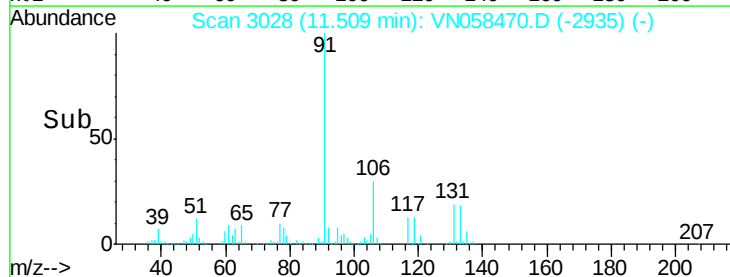
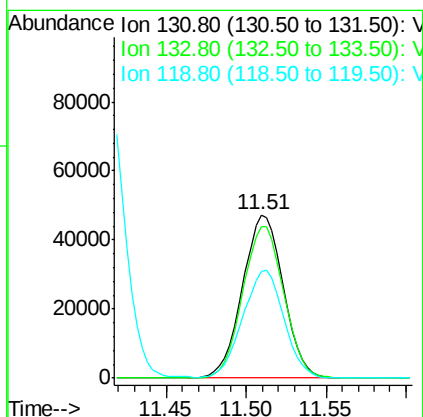
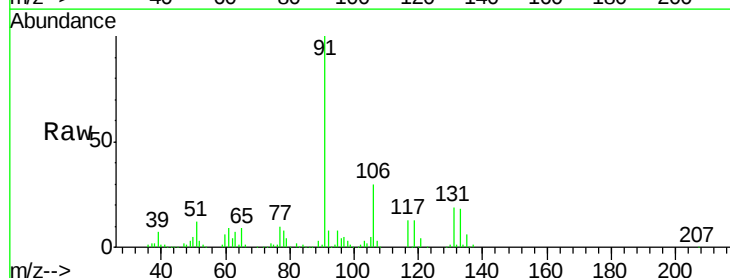
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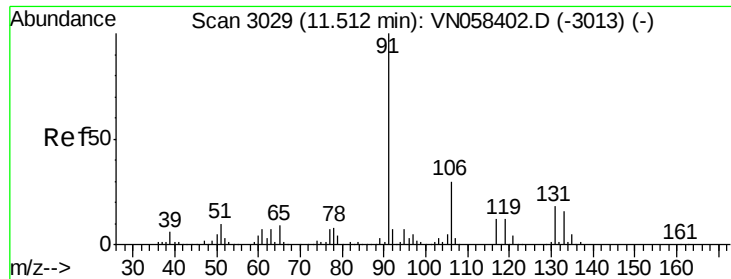
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.941 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion:131 Resp: 82740
Ion Ratio Lower Upper
131 100
133 93.0 47.8 143.3
119 66.8 33.0 99.0





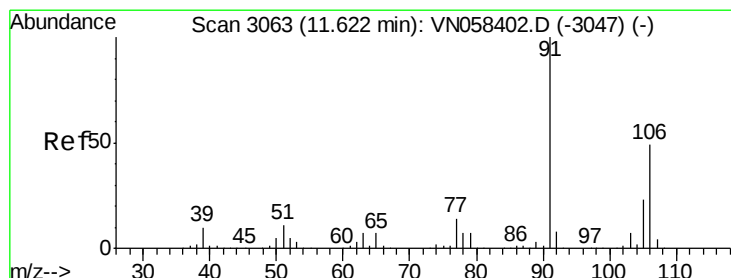
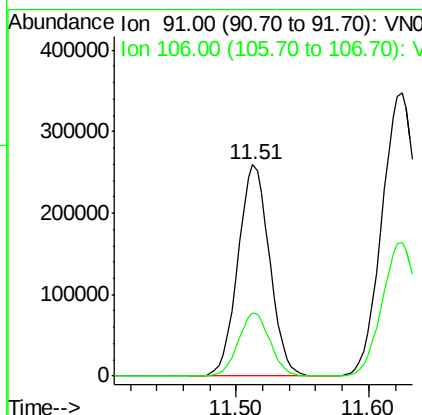
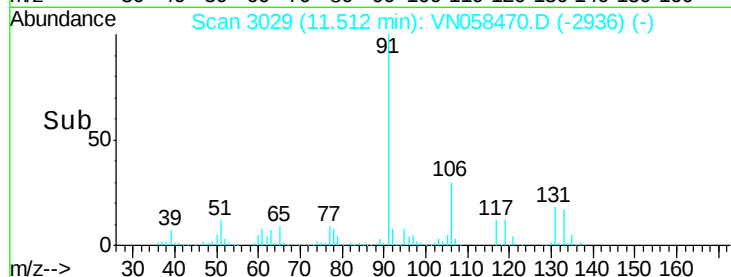
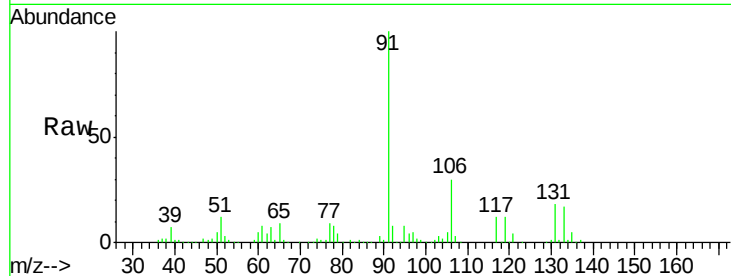
#67
Ethyl Benzene
Concen: 21.226 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion: 91 Resp: 430313
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

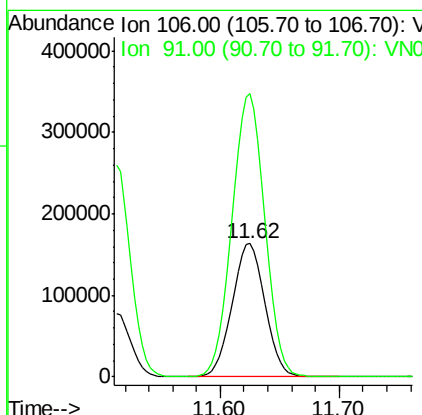
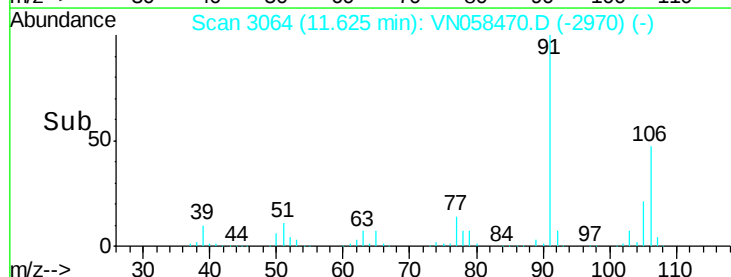
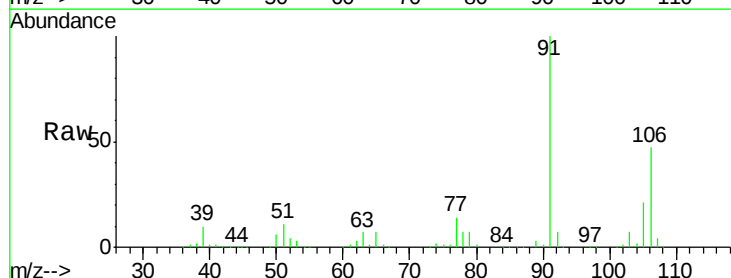
Manual Integrations
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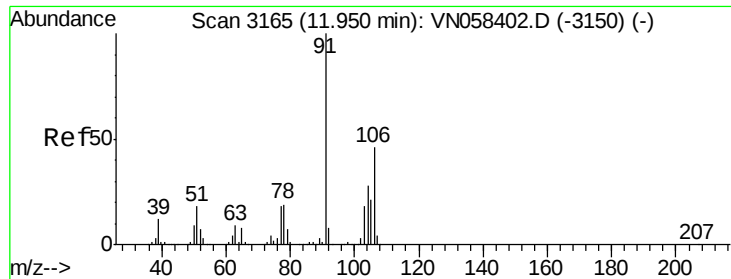
MMDadoda
10/3/2019 12:35:59 PM



#68
m/p-Xylenes
Concen: 40.924 ug/l
RT: 11.62 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion: 106 Resp: 312143
Ion Ratio Lower Upper
106 100
91 212.2 165.0 247.4





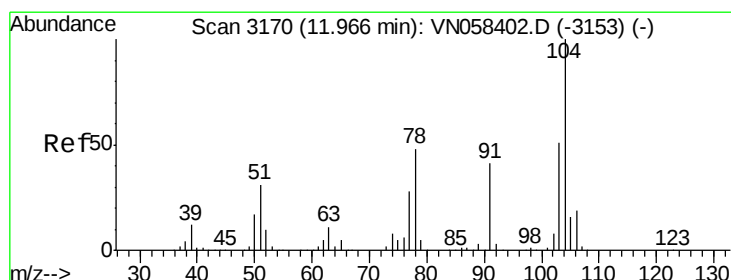
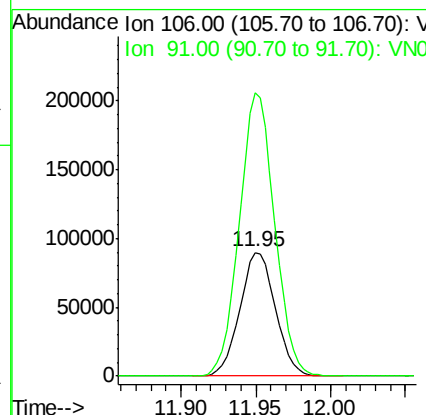
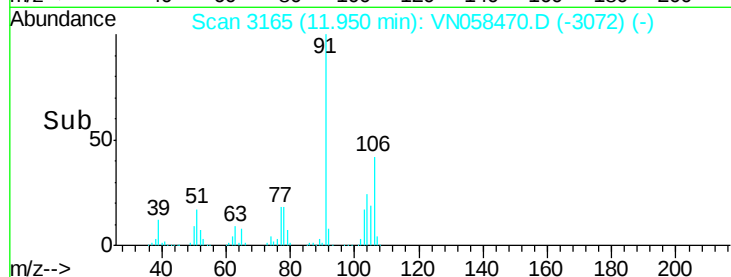
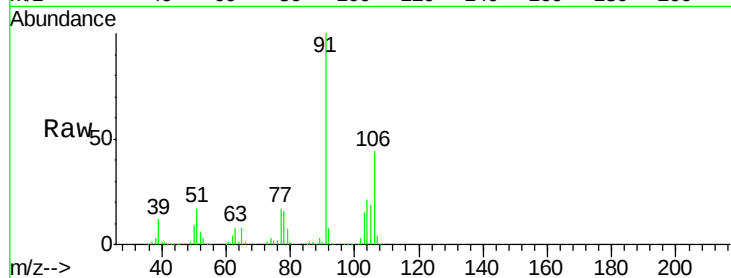
#69
o-Xylene
Concen: 20.253 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	226.9	109.1	327.4		

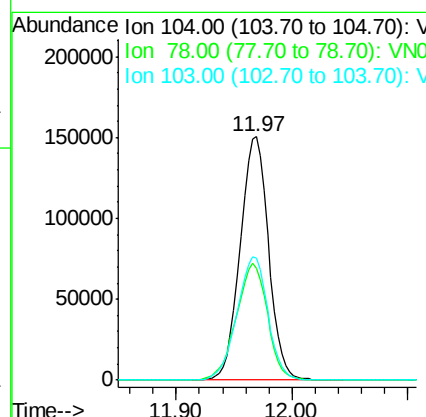
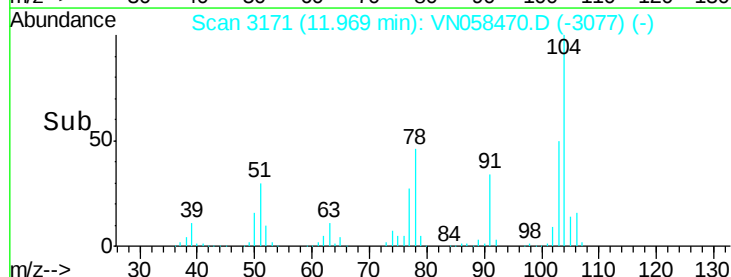
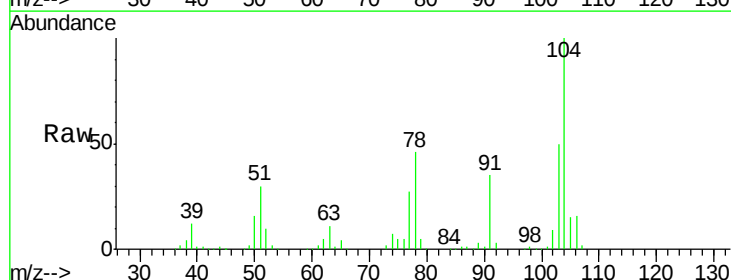
Manual Integrations
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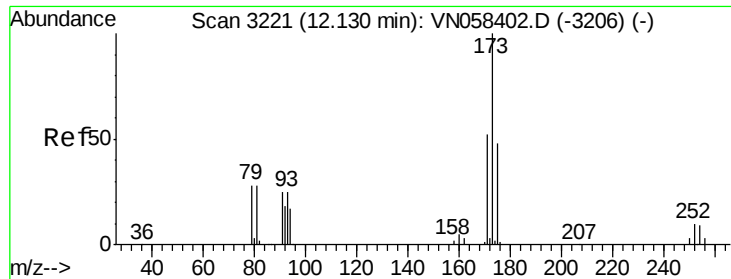
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#70
Styrene
Concen: 21.451 ug/l
RT: 11.97 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	52.7	42.8	64.2		
103	55.2	43.7	65.5		





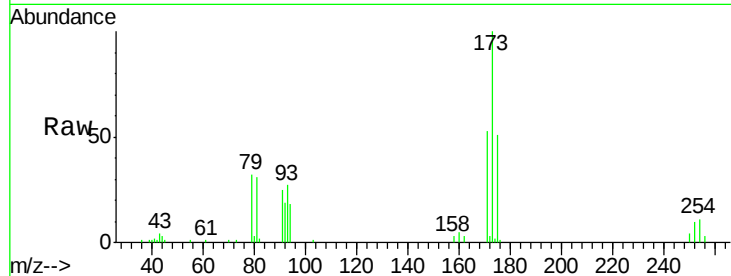
#71
Bromoform
Concen: 19.167 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampled :
VN1001WBSD01

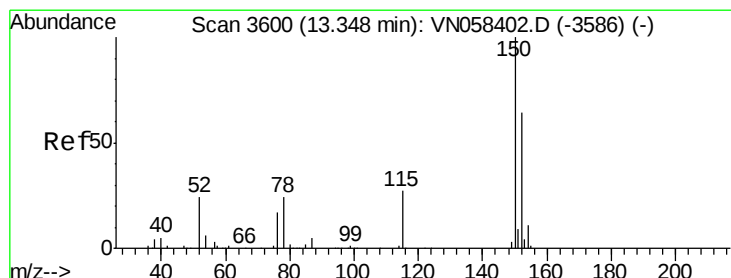
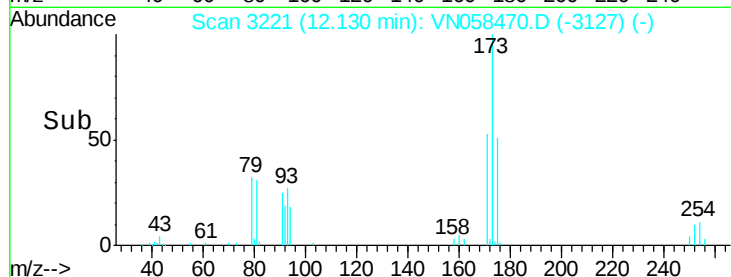
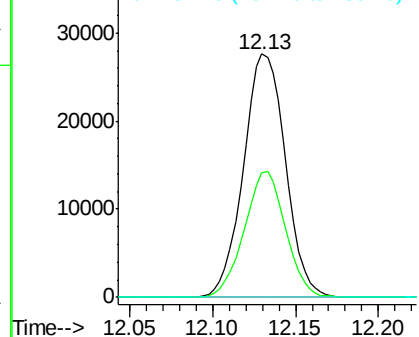
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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10/3/2019 12:35:59 PM

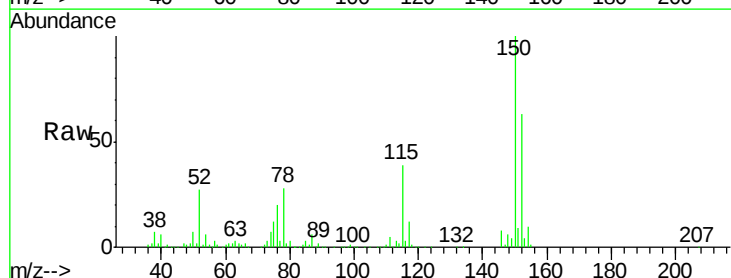


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

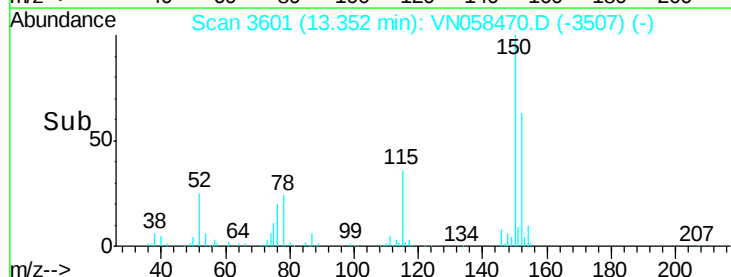
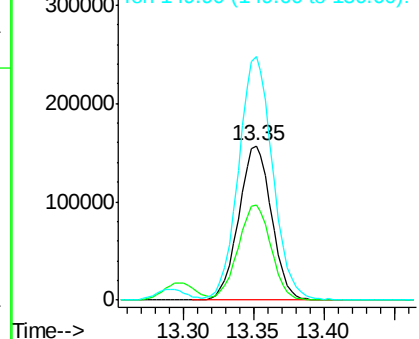


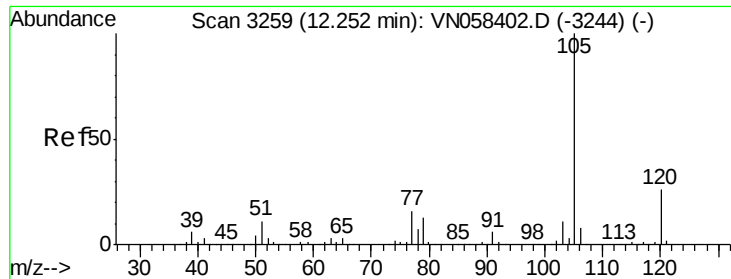
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	30.0	90.0
150	164.4	0.0	348.2



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: 21.851 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampled :

VN1001WBSD01

Tot Ion: 105 Resp: 412119

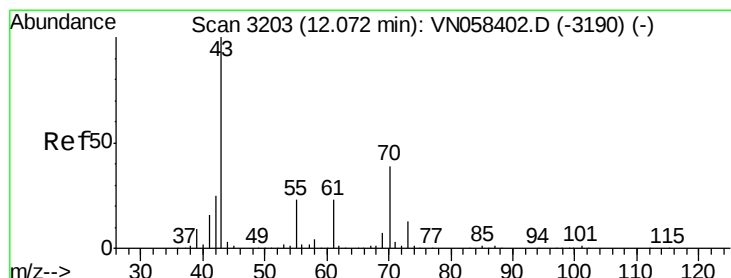
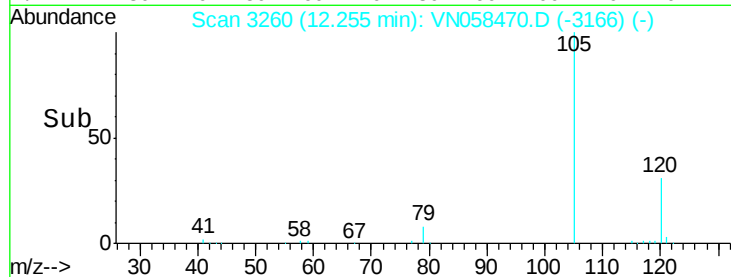
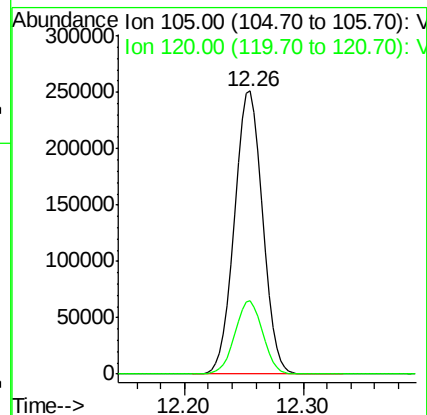
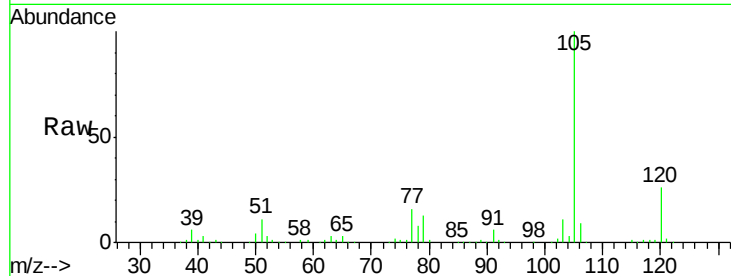
Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4

Manual Integrations
APPROVED

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10/3/2019 12:35:59 PM



#74

N-ethyl acetate

Concen: 19.894 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion: 43 Resp: 149266

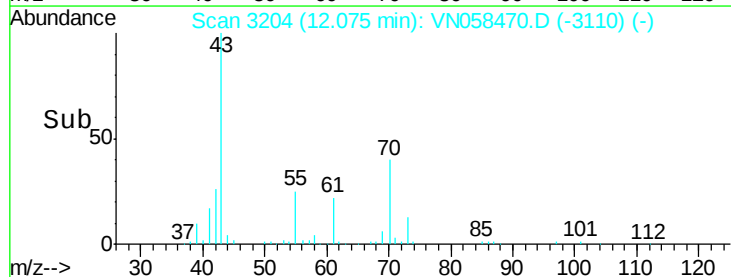
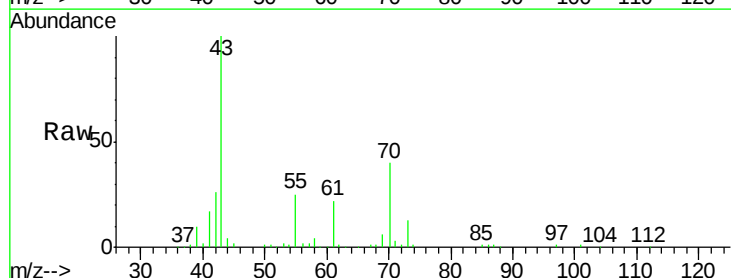
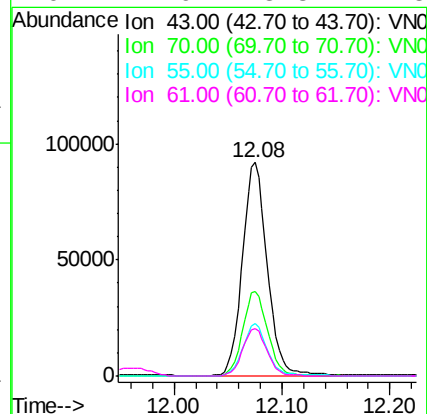
Ion Ratio Lower Upper

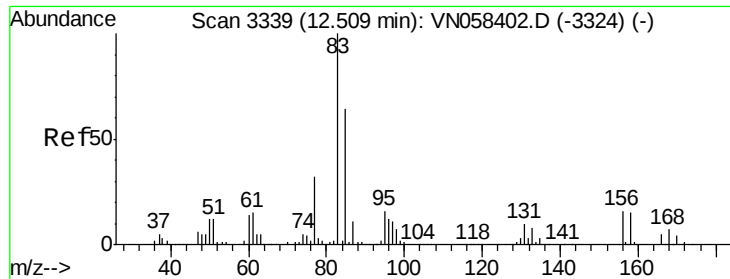
43 100

70 39.3 31.4 47.2

55 23.9 18.2 27.4

61 21.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.827 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

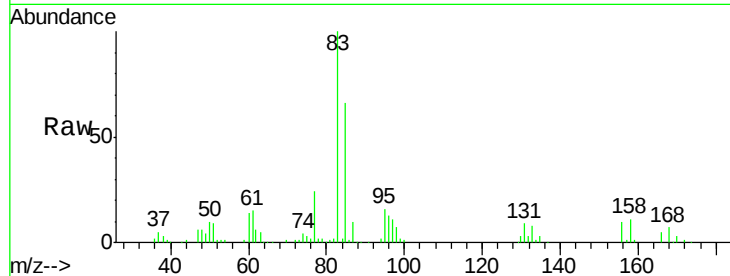
ClientSampleId :

VN1001WBSD01

Tot Ion:	83	Resp:	127306
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.9	14.7
85	65.5	32.0	96.0

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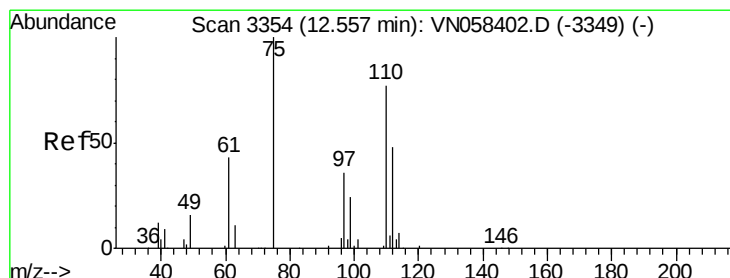
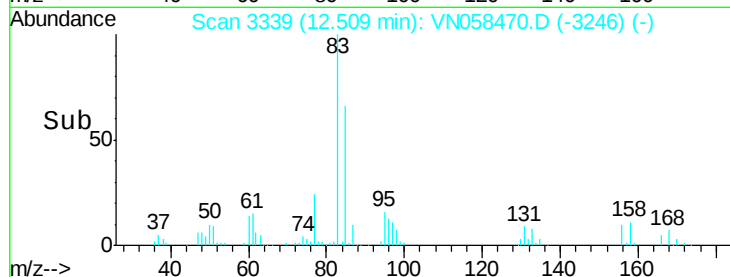
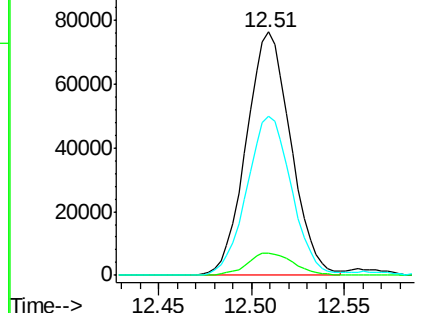
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Abundance Ion 82.90 (82.60 to 83.60): VN058470.D (-3246) (-)

Ion 130.80 (130.50 to 131.50): VN058470.D (-3246) (-)

Ion 84.90 (84.60 to 85.60): VN058470.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 23.960 ug/l m

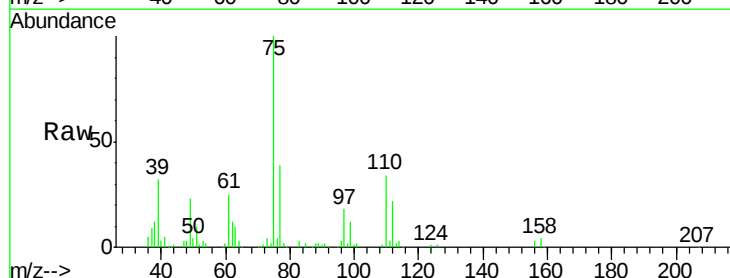
RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058470.D

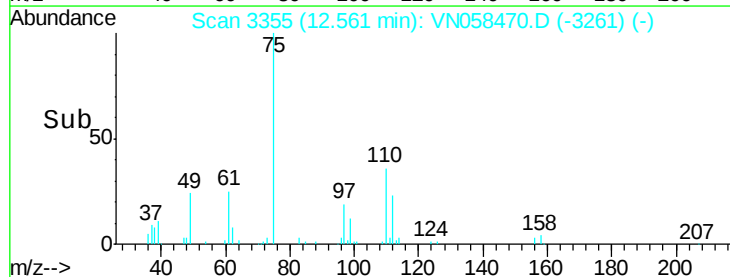
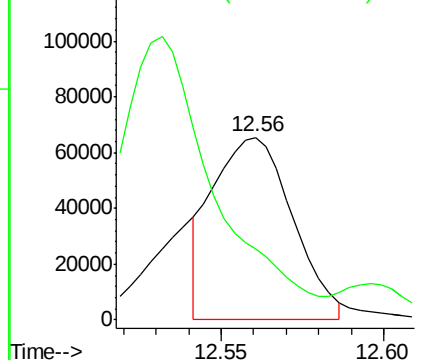
Acq: 1 Oct 2019 18:31

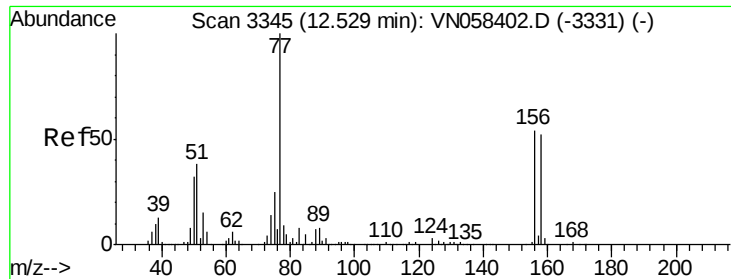
Tgt Ion:	75	Resp:	111684
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058470.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN058470.D (-3261) (-)





#77

Bromobenzene

Concen: 21.063 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

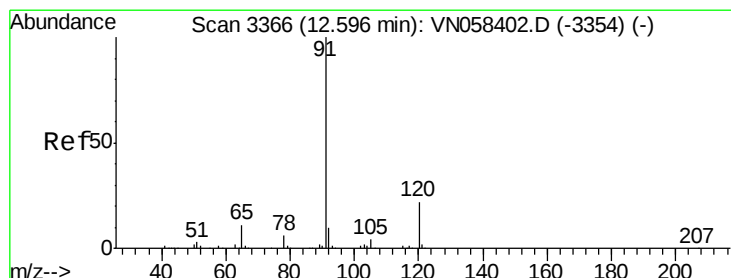
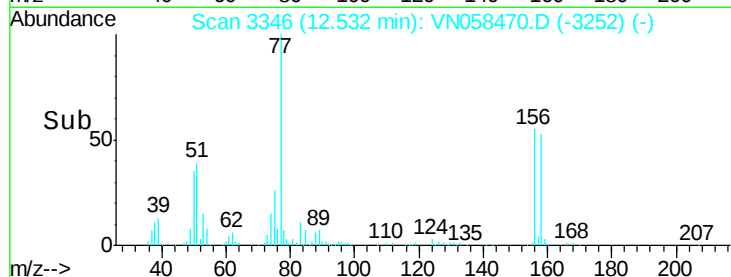
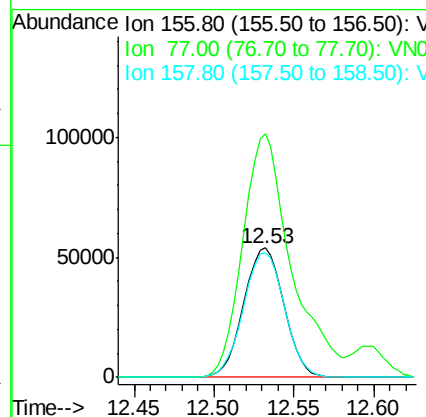
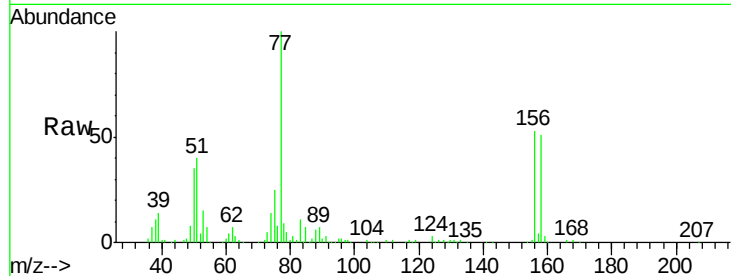
ClientSampleId :

VN1001WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	226.8	110.0	330.0	
158	98.5	47.9	143.8	

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#78

n-propylbenzene

Concen: 22.554 ug/l

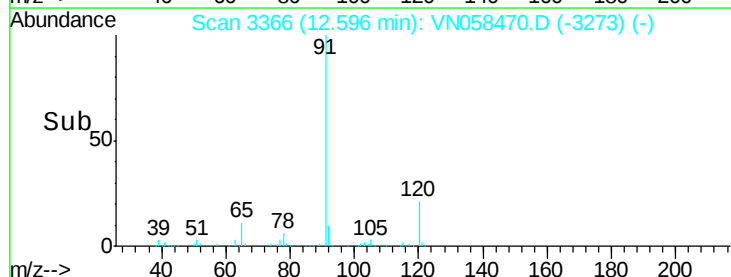
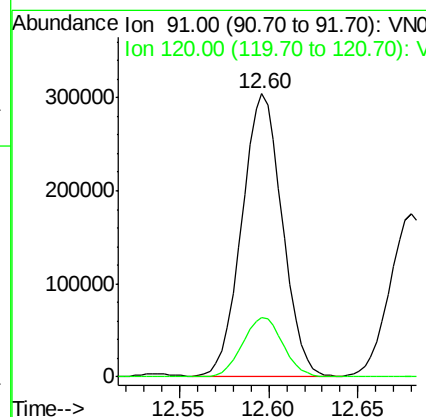
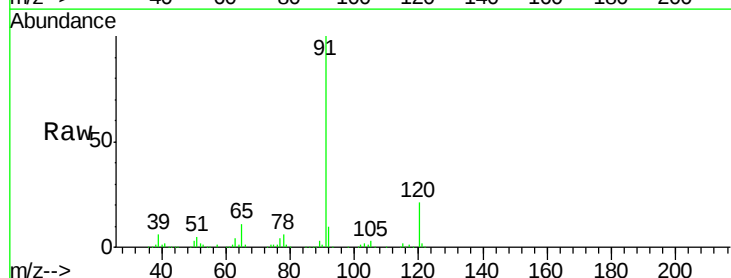
RT: 12.60 min Scan# 3366

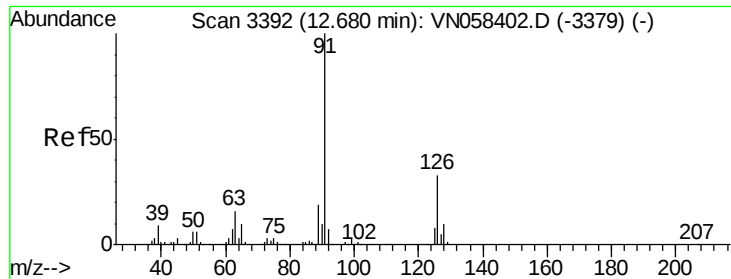
Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.2	10.9	32.9	





#79

2-Chlorotoluene

Concen: 22.045 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 91 Resp: 289126

Ion Ratio Lower Upper

91 100

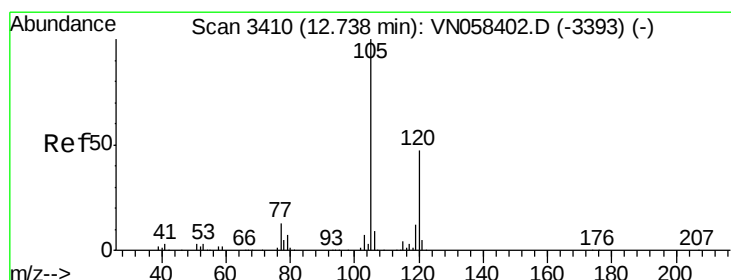
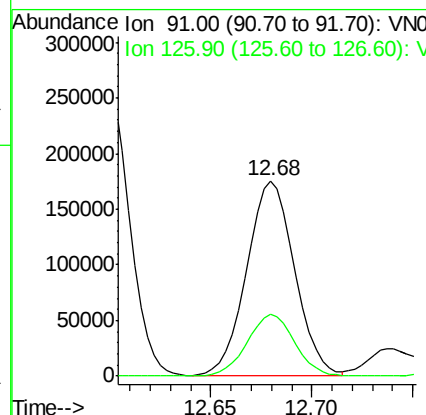
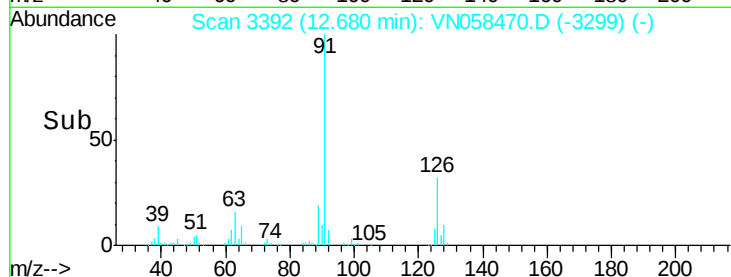
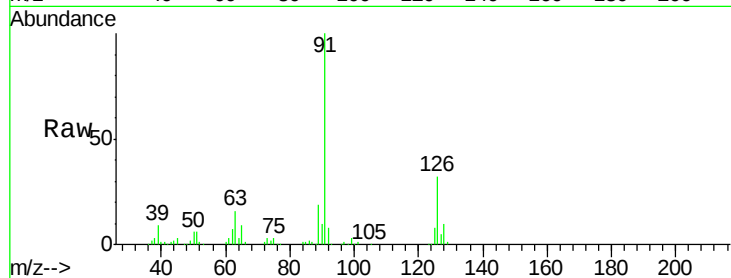
126 31.7 16.2 48.6

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.839 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058470.D

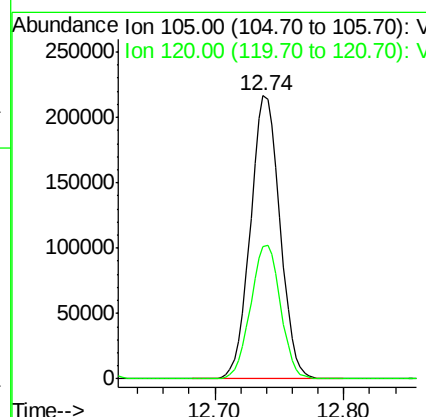
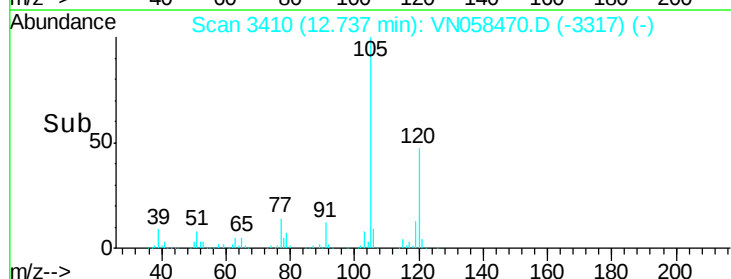
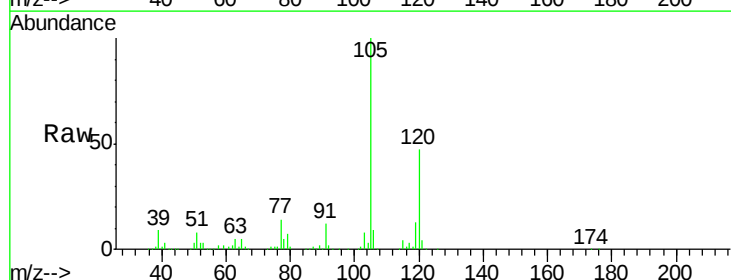
Acq: 1 Oct 2019 18:31

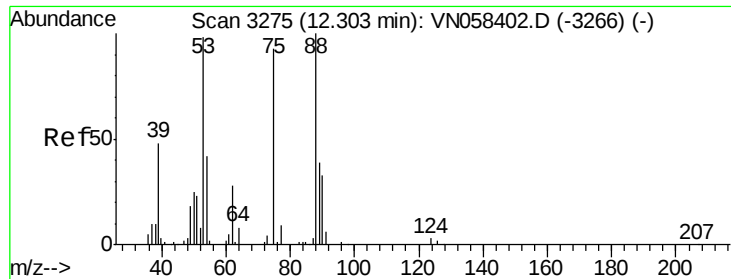
Tgt Ion: 105 Resp: 344796

Ion Ratio Lower Upper

105 100

120 48.0 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.526 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion: 75 Resp: 28433

Ion Ratio Lower Upper

75 100

53 125.1 85.4 128.0

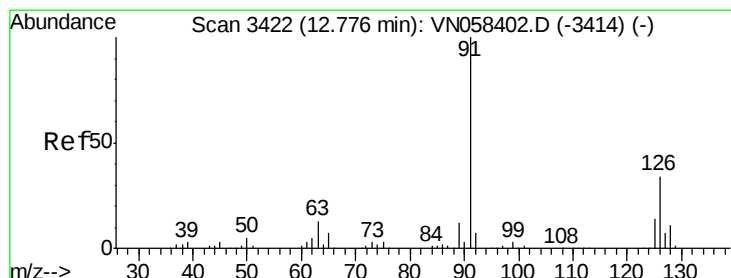
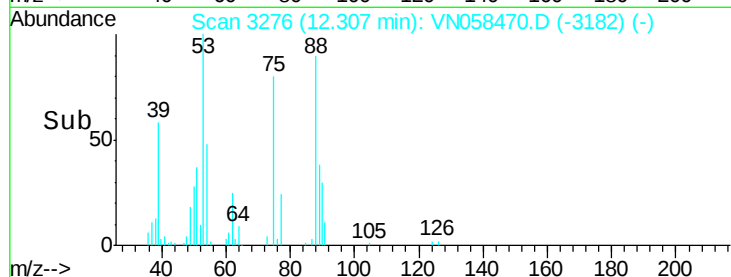
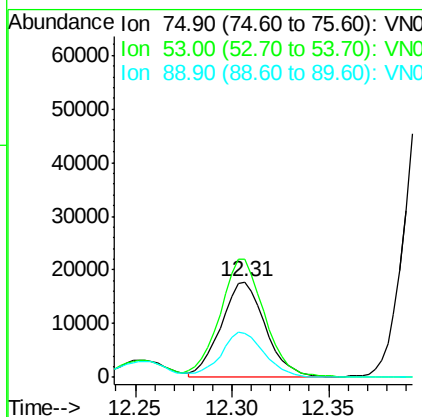
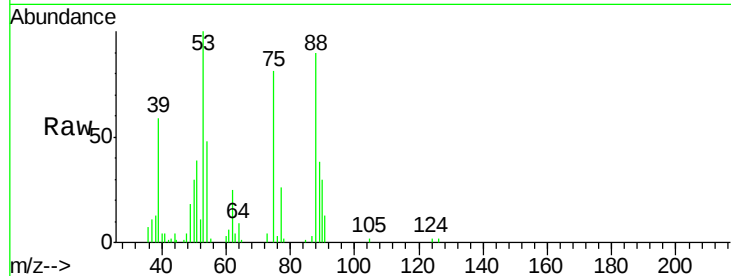
89 46.2 35.0 52.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.281 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058470.D

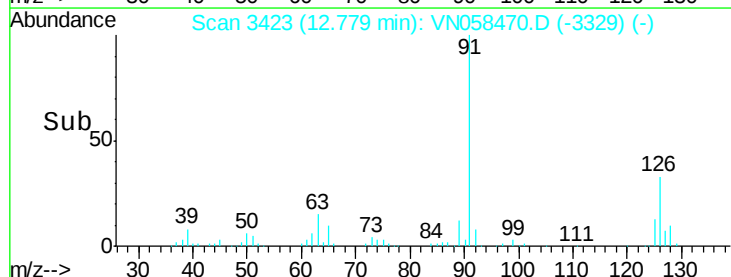
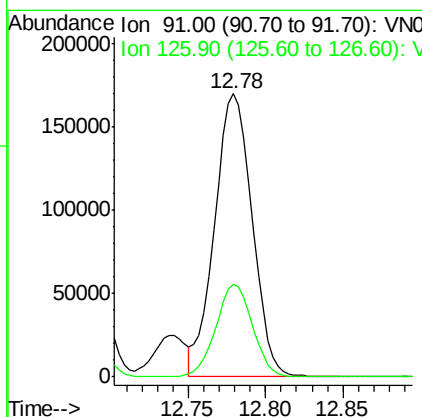
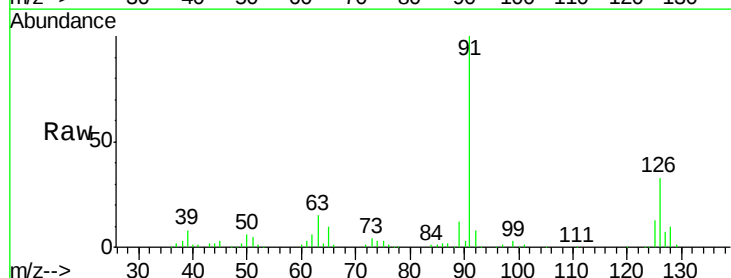
Acq: 1 Oct 2019 18:31

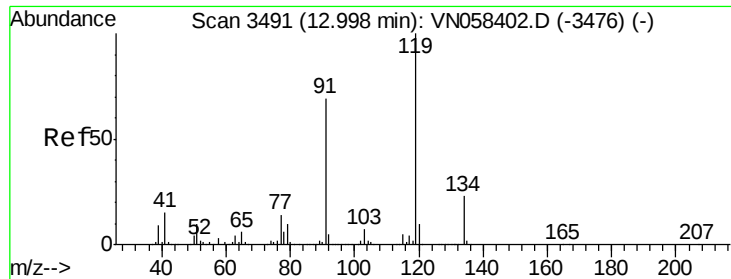
Tgt Ion: 91 Resp: 284792

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.7





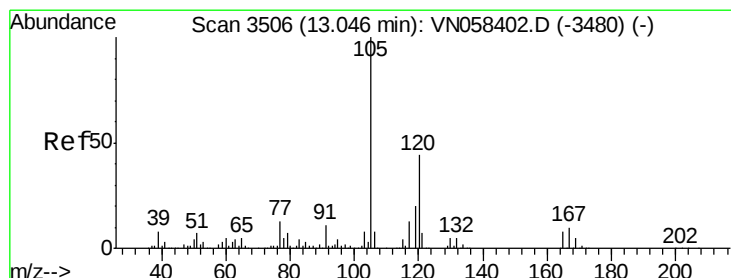
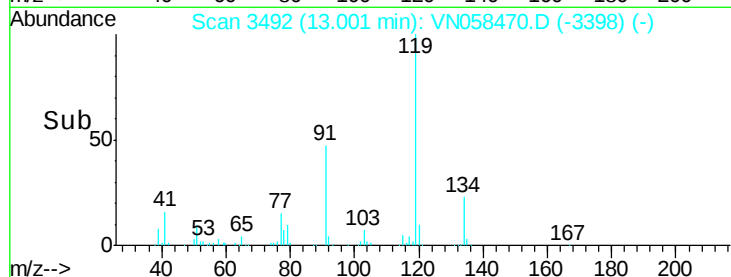
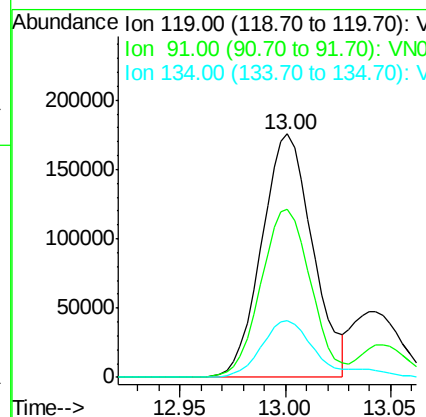
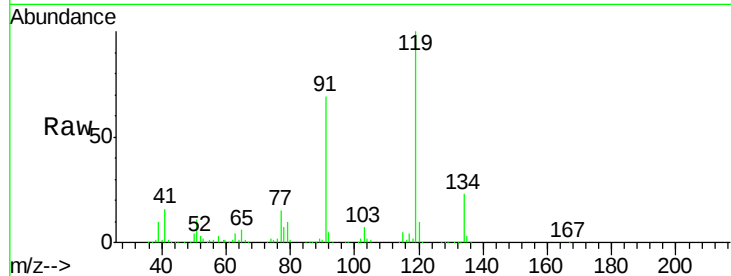
#83
tert-Butylbenzene
Concen: 22.200 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.2	102.6
134	25.7	11.6	34.8

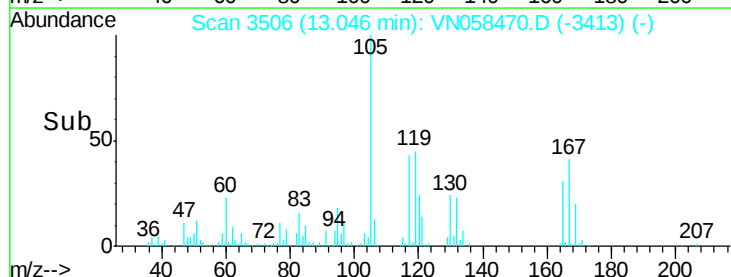
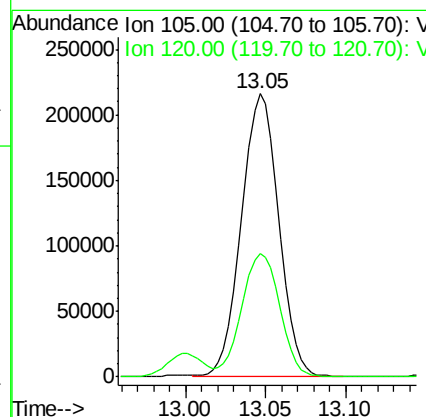
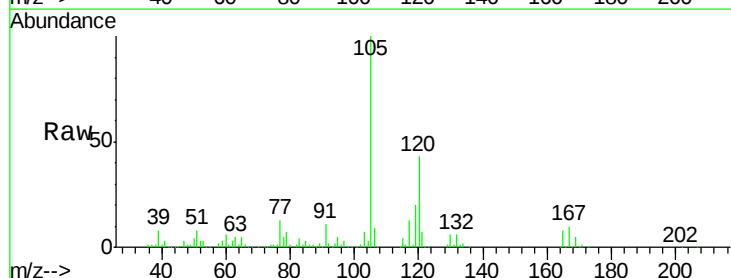
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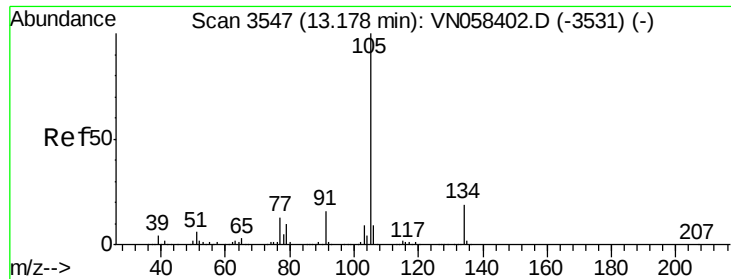
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#84
1,2,4-Trimethylbenzene
Concen: 21.626 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.7	65.1





#85

sec-Butylbenzene

Concen: 22.216 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBSD01

Tot Ion:105 Resp: 389551

Ion Ratio Lower Upper

105 100

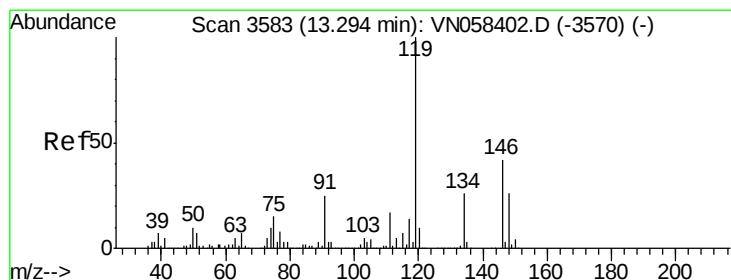
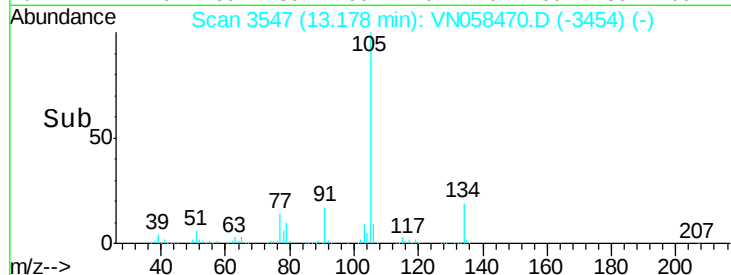
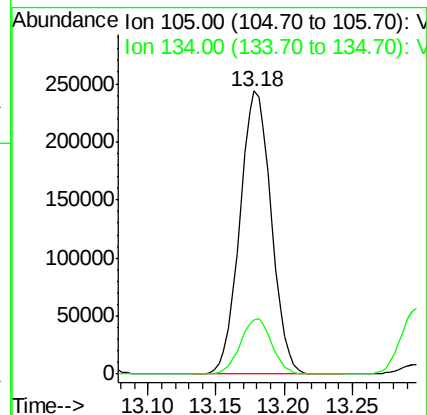
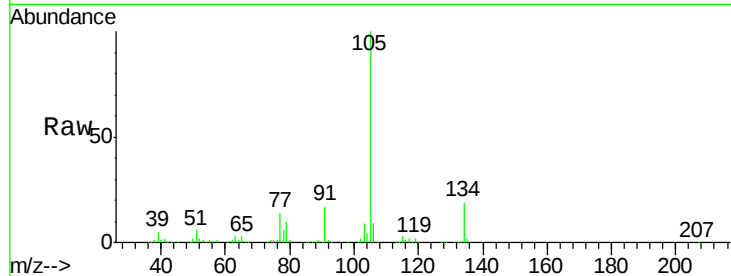
134 19.5 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.378 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

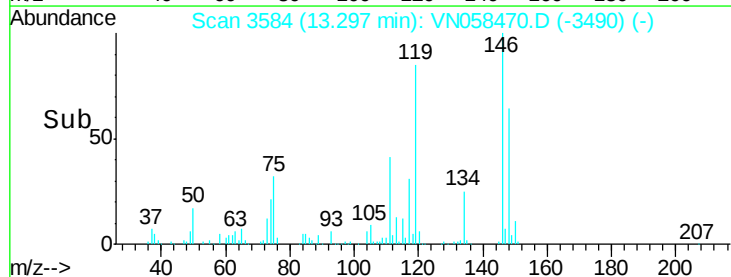
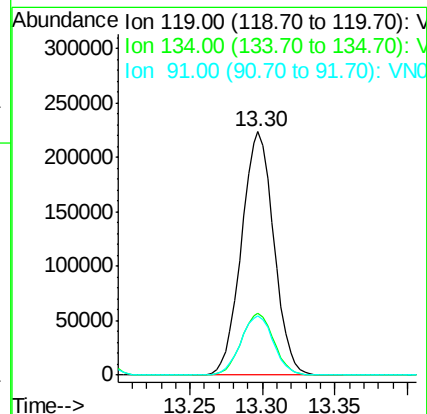
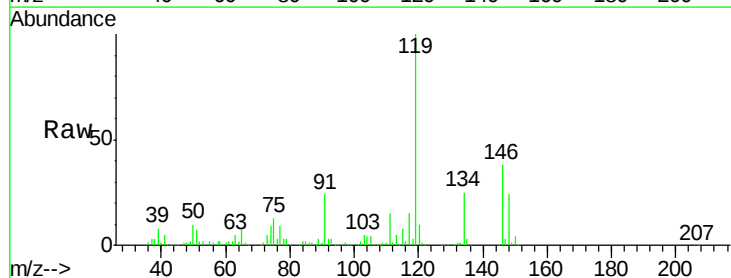
Tgt Ion:119 Resp: 345393

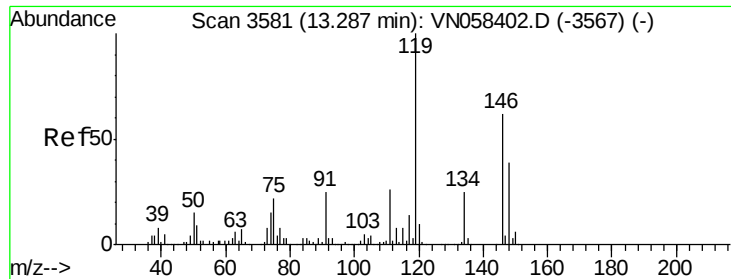
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 24.7 12.4 37.0





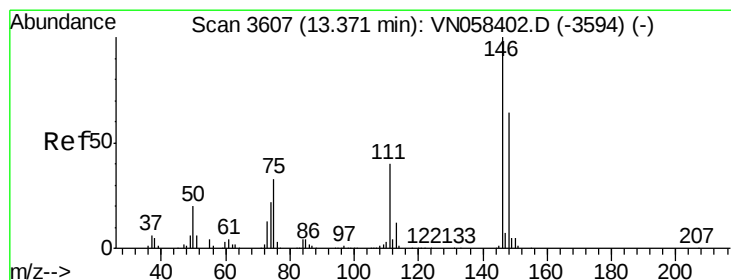
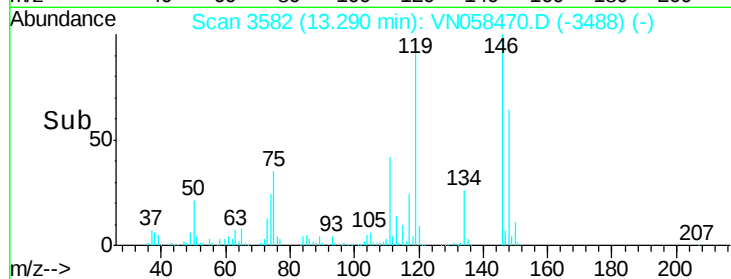
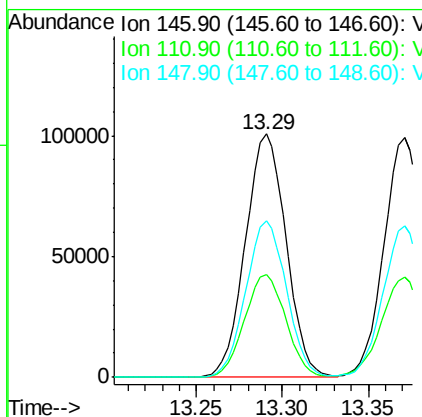
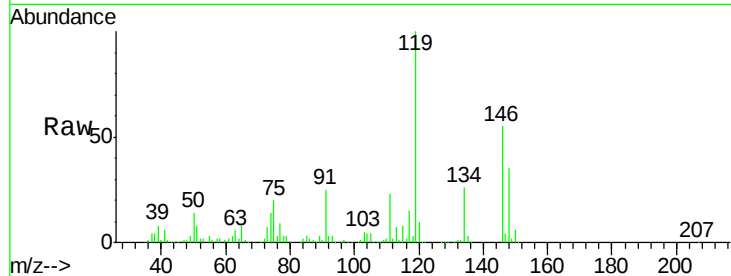
#87
 1,3-Dichlorobenzene
 Concen: 20.730 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	166230		
111	42.6	20.8	62.4	
148	64.0	31.4	94.3	

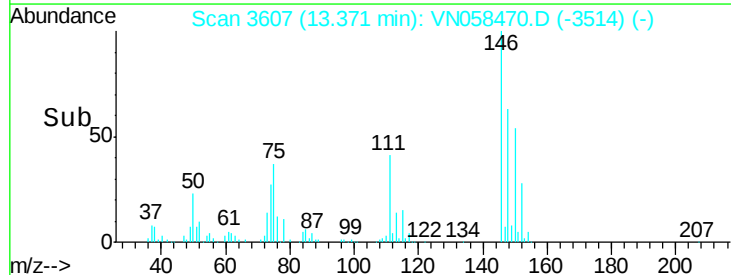
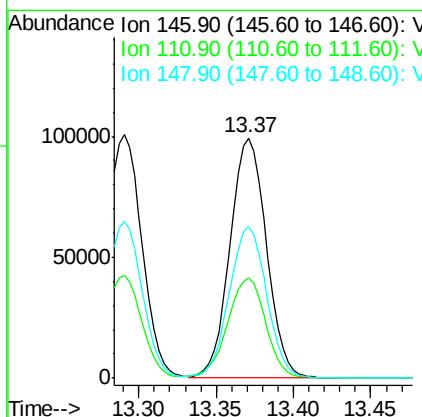
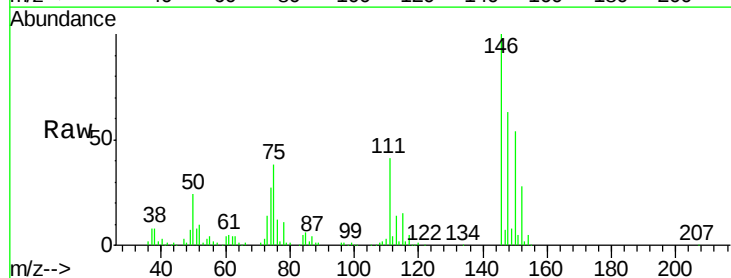
Manual Integrations
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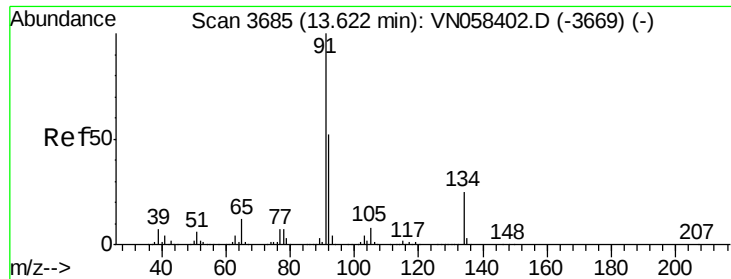
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#88
 1,4-Dichlorobenzene
 Concen: 20.322 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	162135		
111	43.5	20.5	61.6	
148	65.2	31.5	94.5	





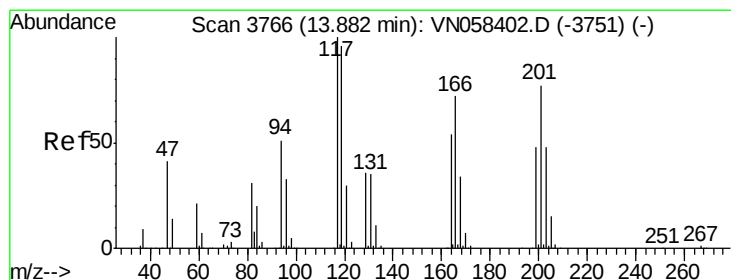
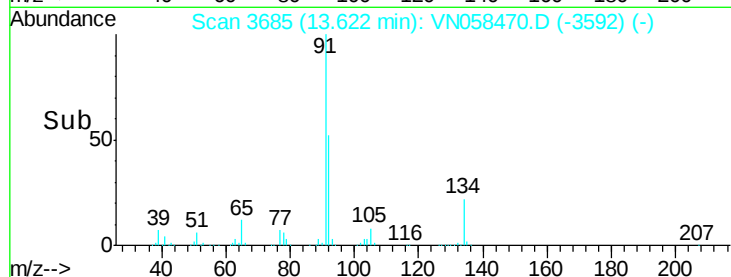
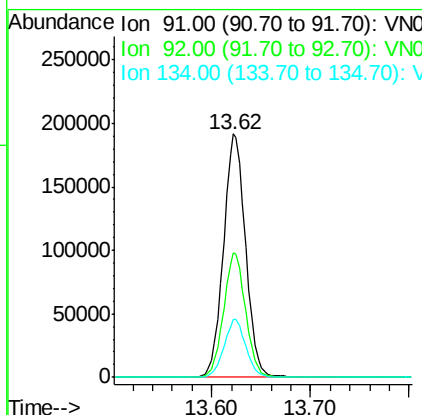
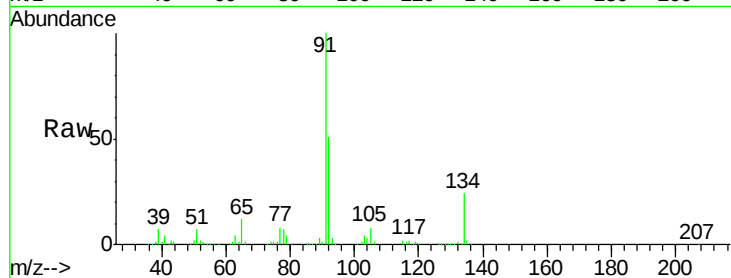
#89
n-Butylbenzene
Concen: 21.617 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.7	77.1
134	23.4	12.2	36.6

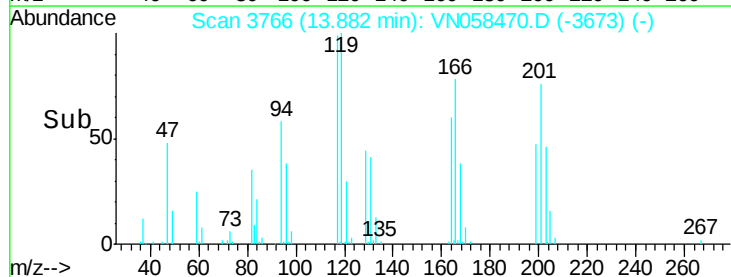
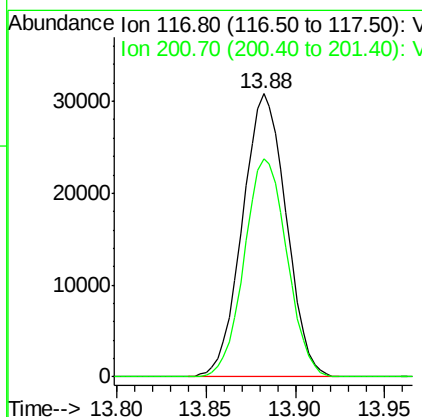
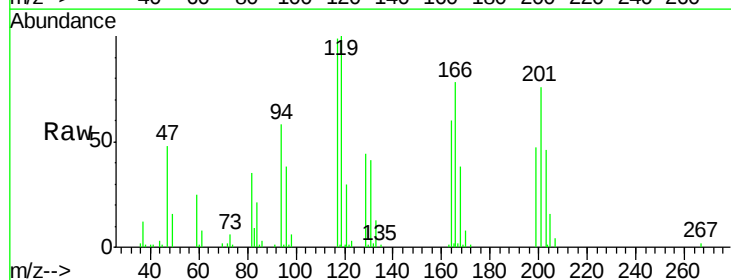
Manual Integrations
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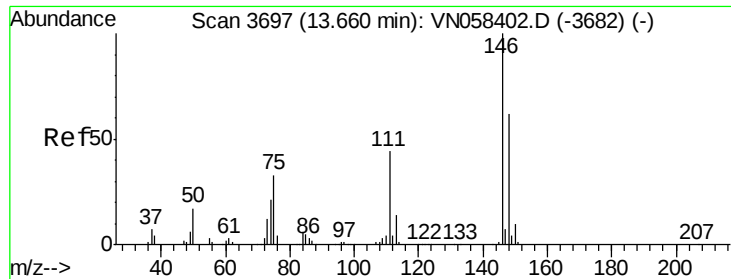
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10/3/2019 12:35:59 PM



#90
Hexachloroethane
Concen: 22.747 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058470.D
Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	38.6	116.0





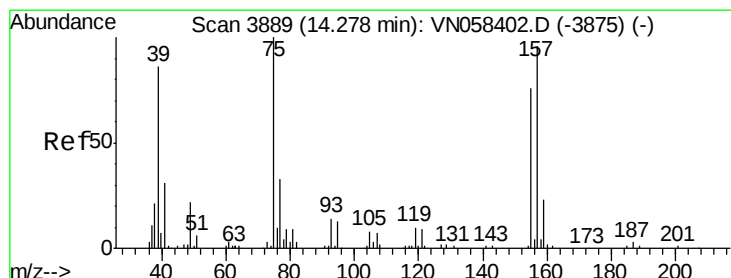
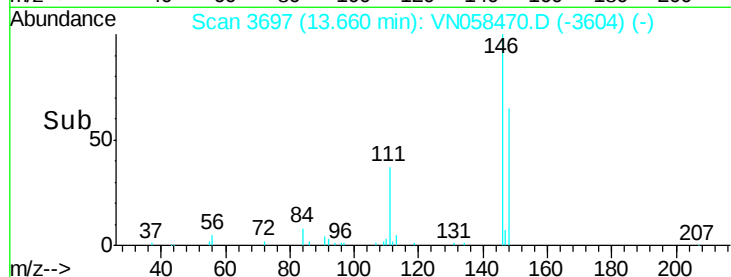
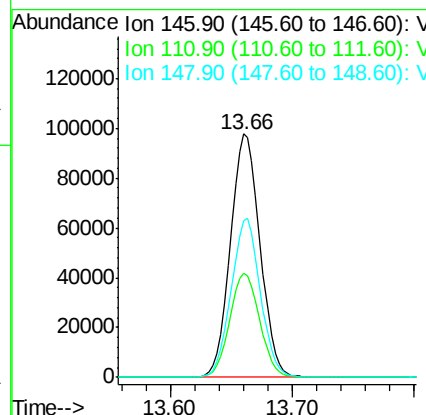
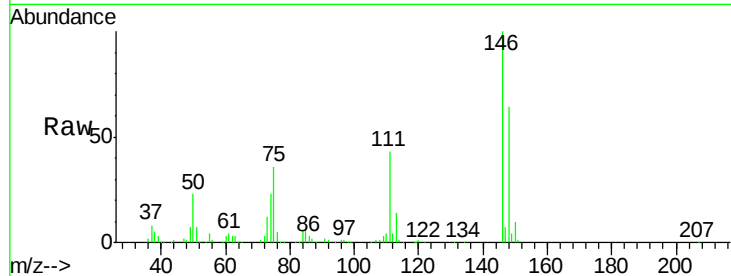
#91
 1,2-Dichlorobenzene
 Concen: 21.541 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	165966		
111	43.3	21.8	65.3	
148	64.2	31.5	94.5	

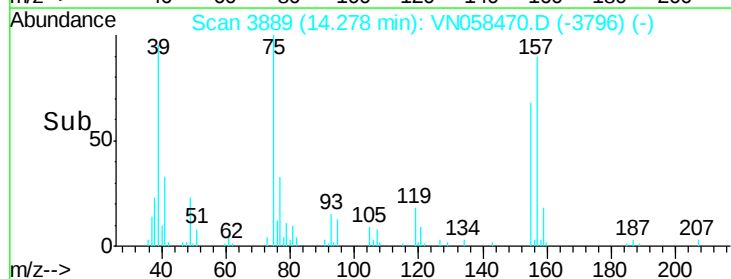
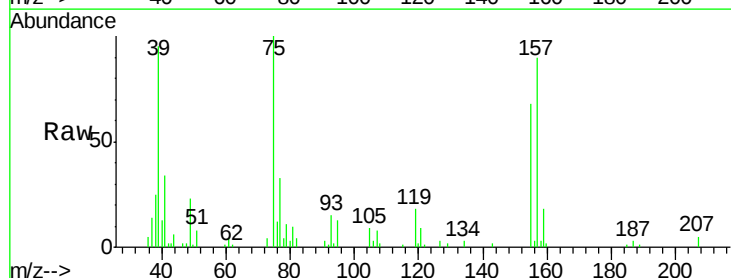
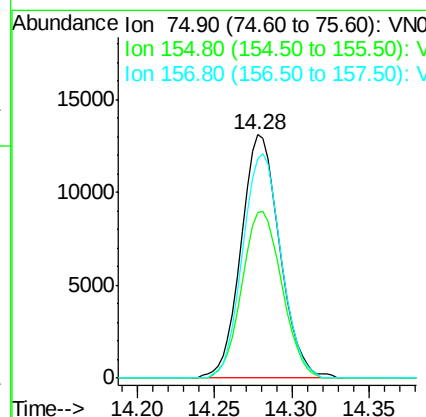
Manual Integrations
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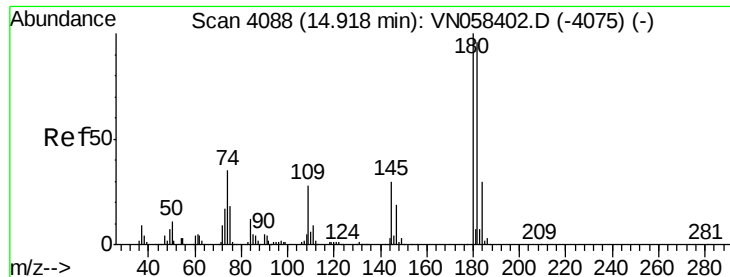
MMDadoda
 10/3/2019 12:35:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.193 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22810		
155	70.5	39.2	117.6	
157	91.5	48.7	146.1	





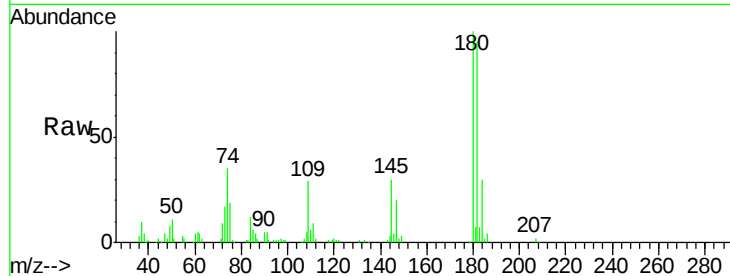
#93
 1,2,4-Trichlorobenzene
 Concen: 20.892 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBSD01

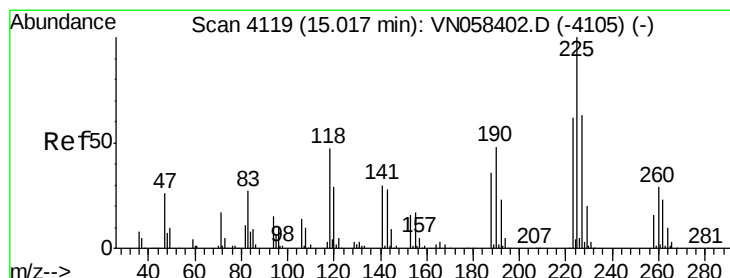
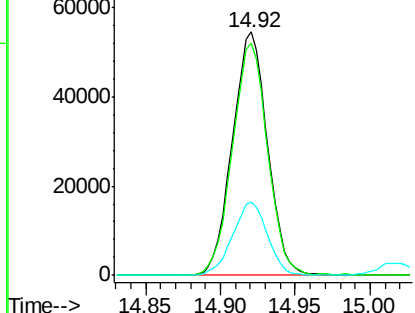
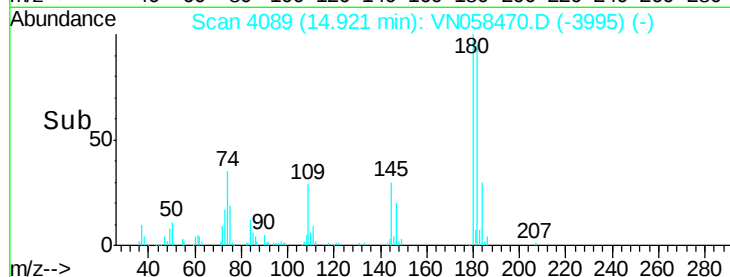
Tot Ion	Ratio	Resp	Lower	Upper
180	100	88950		
182	95.1	47.4	142.3	
145	29.9	15.3	45.9	

Manual Integrations
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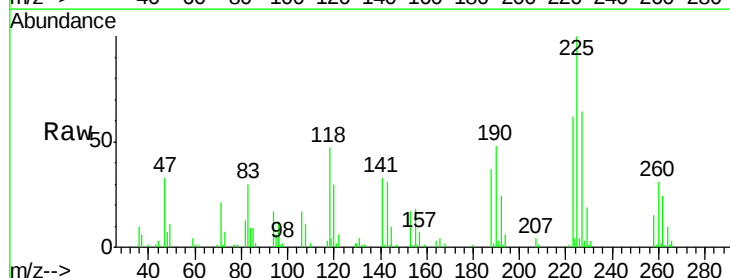


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

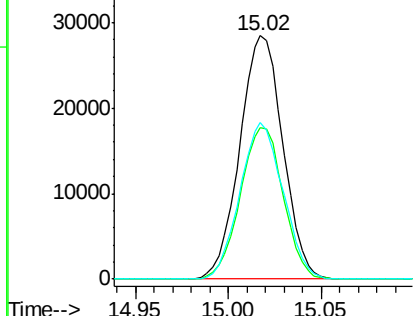
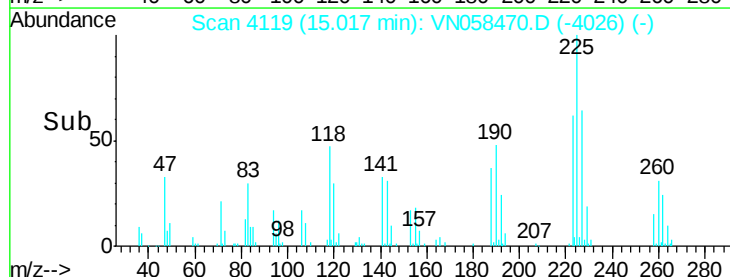


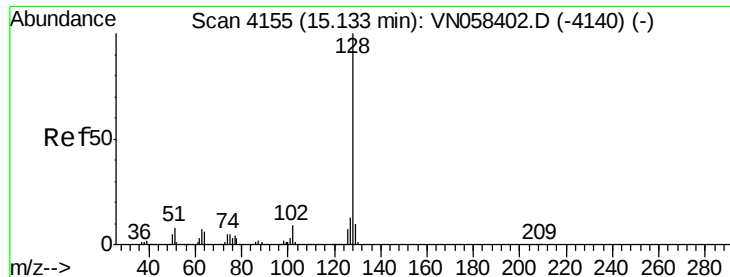
#94
 Hexachlorobutadiene
 Concen: 20.930 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058470.D
 Acq: 1 Oct 2019 18:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45803		
223	61.8	31.1	93.5	
227	64.3	31.4	94.2	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.316 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Instrument :

MSVOA_N

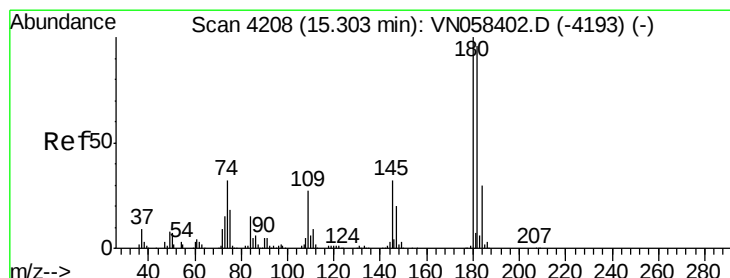
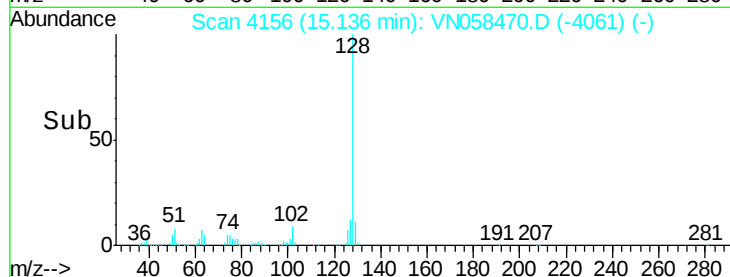
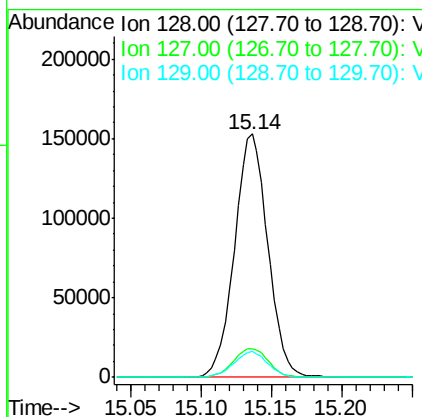
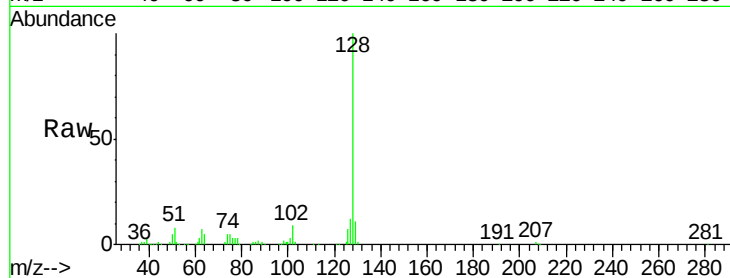
ClientSampleId :

VN1001WBSD01

Tot Ion:	128	Resp:	253525
Ion Ratio		Lower	Upper
128	100		
127	12.4	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.729 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058470.D

Acq: 1 Oct 2019 18:31

Tgt Ion:	180	Resp:	88545
Ion Ratio		Lower	Upper
180	100		
182	94.3	48.3	144.9
145	31.2	16.1	48.3

