

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112619\
 Data File : VN059415.D
 Acq On : 26 Nov 2019 18:25
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
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apatel
 11/27/2019 11:26:50 AM

Quant Time: Nov 27 02:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	391520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616771	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	556105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260987	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	221157	47.08	ug/l	0.00
Spiked Amount			Recovery	=	94.16%	
35) Dibromofluoromethane	7.57	113	183139	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
50) Toluene-d8	10.08	98	709386	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
62) 4-Bromofluorobenzene	12.40	95	253418	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	221046	44.101	ug/l	98
3) Chloromethane	2.04	50	271128	44.155	ug/l	99
4) Vinyl Chloride	2.17	62	296535	46.905	ug/l	99
5) Bromomethane	2.54	94	158033	45.025	ug/l	99
6) Chloroethane	2.68	64	154491	44.776	ug/l	100
7) Trichlorofluoromethane	3.00	101	319351	46.909	ug/l	98
8) Diethyl Ether	3.39	74	141480	50.834	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	201307	48.358	ug/l	99
10) Methyl Iodide	3.93	142	271123	52.404	ug/l	98
11) Tert butyl alcohol	4.76	59	221589	235.601	ug/l	100
12) 1,1-Dichloroethene	3.72	96	200734	47.505	ug/l	96
13) Acrolein	3.58	56	158794	184.955	ug/l	99
14) Allyl chloride	4.30	41	372426	47.179	ug/l	99
15) Acrylonitrile	4.96	53	626926	252.106	ug/l	100
16) Acetone	3.79	43	551096	261.640	ug/l	98
17) Carbon Disulfide	4.03	76	595944	45.014	ug/l	100
18) Methyl Acetate	4.30	43	365258	52.252	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	694566	50.891	ug/l	100
20) Methylene Chloride	4.53	84	228096	48.015	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	216910	48.435	ug/l	99
22) Diisopropyl ether	5.92	45	741943	49.920	ug/l	98
23) Vinyl Acetate	5.87	43	2964016	253.602	ug/l	99
24) 1,1-Dichloroethane	5.82	63	414331	49.526	ug/l	99
25) 2-Butanone	6.81	43	841328	256.870	ug/l	98
26) 2,2-Dichloropropane	6.80	77	339556	46.875	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	249688	49.416	ug/l	98
28) Bromochloromethane	7.17	49	163600	48.103	ug/l	96
29) Tetrahydrofuran	7.19	42	564244	249.141	ug/l	100
30) Chloroform	7.35	83	400180	49.293	ug/l	99
31) Cyclohexane	7.63	56	370851	44.834	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	342528	49.107	ug/l	99
36) 1,1-Dichloropropene	7.77	75	307939	48.363	ug/l	99
37) Ethyl Acetate	6.91	43	335319	49.001	ug/l	98
38) Carbon Tetrachloride	7.75	117	299093	49.068	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	365515	47.606	ug/l	98
40) Benzene	8.02	78	930041	49.767	ug/l	100
41) Methacrylonitrile	7.16	41	152233m	50.113	ug/l	
42) 1,2-Dichloroethane	8.11	62	303166	49.052	ug/l	100
43) Isopropyl Acetate	8.15	43	535903	51.243	ug/l	99
44) Trichloroethene	8.82	130	233446	49.290	ug/l	98
45) 1,2-Dichloropropane	9.10	63	249911	50.150	ug/l	98
46) Dibromomethane	9.19	93	156694	51.264	ug/l	99
47) Bromodichloromethane	9.39	83	314221	51.330	ug/l	100
48) Methyl methacrylate	9.19	41	240042	50.474	ug/l	97
49) 1,4-Dioxane	9.19	88	65765	920.105	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1663059	271.681	ug/l	99
52) Toluene	10.15	92	565855	50.357	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	359706	50.548	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396208	51.310	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	225839	51.692	ug/l	99
56) Ethyl methacrylate	10.42	69	357693	48.543	ug/l	98
57) 1,3-Dichloropropane	10.70	76	391996	51.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	593654	222.000	ug/l	98
59) 2-Hexanone	10.75	43	1213459	270.721	ug/l	98
60) Dibromochloromethane	10.90	129	243132	52.810	ug/l	99
61) 1,2-Dibromoethane	11.00	107	231315	50.884	ug/l	98
64) Tetrachloroethene	10.63	164	205744	47.837	ug/l	98
65) Chlorobenzene	11.43	112	589295	49.283	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224419	51.662	ug/l	99
67) Ethyl Benzene	11.51	91	1067844	50.016	ug/l	100
68) m/p-Xylenes	11.62	106	797817	100.566	ug/l	100
69) o-Xylene	11.95	106	379052	49.909	ug/l	99
70) Styrene	11.96	104	625199	52.169	ug/l	99
71) Bromoform	12.13	173	180091	54.742	ug/l #	99
73) Isopropylbenzene	12.25	105	1021674	47.787	ug/l	99
74) N-amyl acetate	12.07	43	425113	49.476	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	340633	48.164	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	303446m	50.327	ug/l	
77) Bromobenzene	12.53	156	246870	47.606	ug/l	99
78) n-propylbenzene	12.59	91	1191120	49.184	ug/l	99
79) 2-Chlorotoluene	12.67	91	699345	47.047	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	859214	47.807	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	126399	52.433	ug/l	96
82) 4-Chlorotoluene	12.77	91	714307	46.436	ug/l	99
83) tert-Butylbenzene	12.99	119	739645	48.728	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	850959	48.335	ug/l	100
85) sec-Butylbenzene	13.17	105	986716	48.365	ug/l	100
86) p-Isopropyltoluene	13.29	119	890296	49.041	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	436052	47.218	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	431568	47.233	ug/l	99
89) n-Butylbenzene	13.62	91	760142	47.731	ug/l	99
90) Hexachloroethane	13.88	117	167153	48.617	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	422821	47.323	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67477	44.876	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	247622	44.879	ug/l	99
94) Hexachlorobutadiene	15.01	225	147147	45.711	ug/l	99
95) Naphthalene	15.13	128	658184	43.232	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	249595	45.922	ug/l	100

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

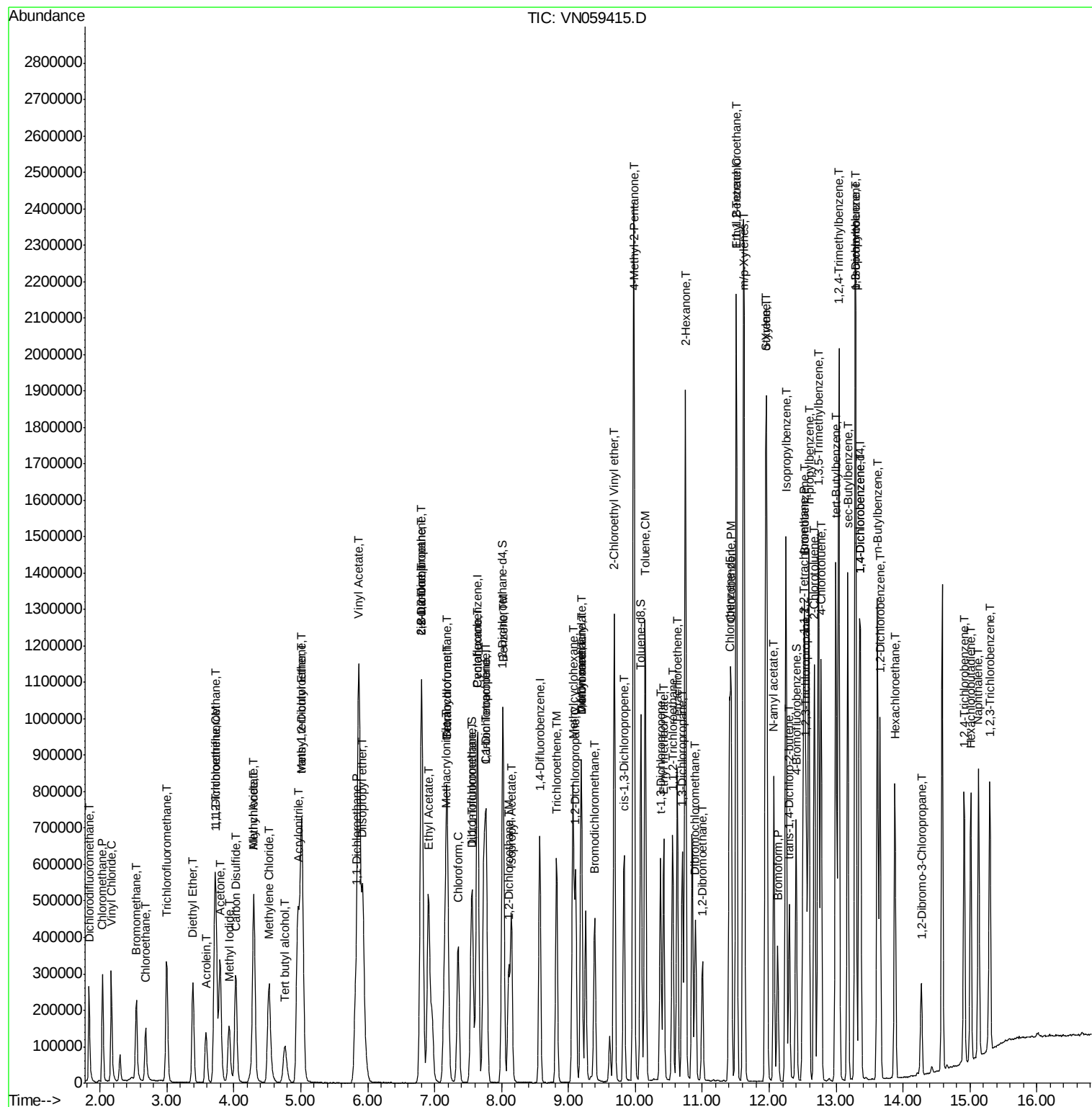
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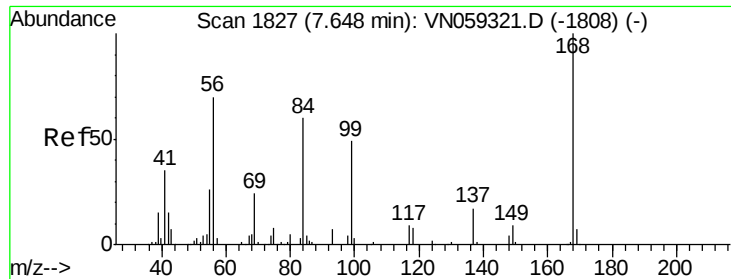
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 391520

Ion Ratio Lower Upper

168 100

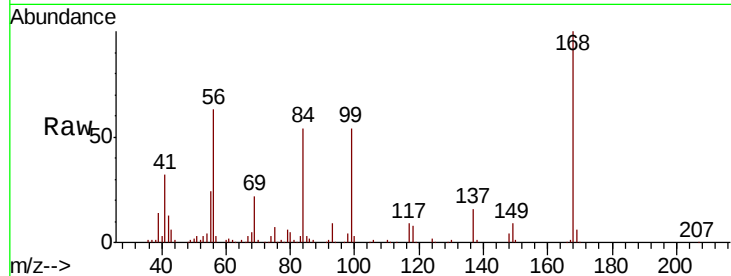
99 53.7 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

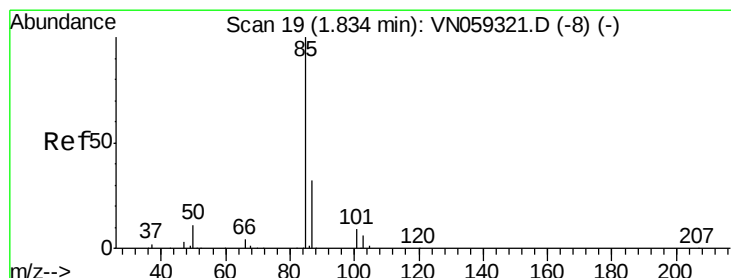
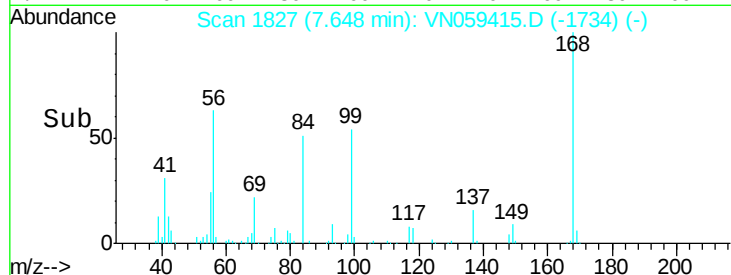
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 44.101 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059415.D

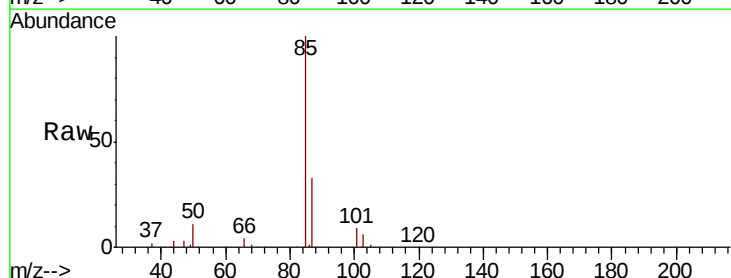
Acq: 26 Nov 2019 18:25

Tgt Ion: 85 Resp: 221046

Ion Ratio Lower Upper

85 100

87 33.3 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

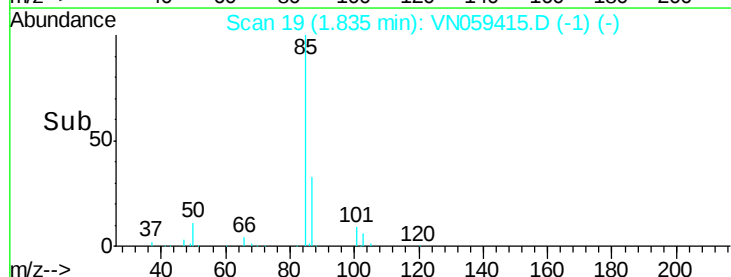
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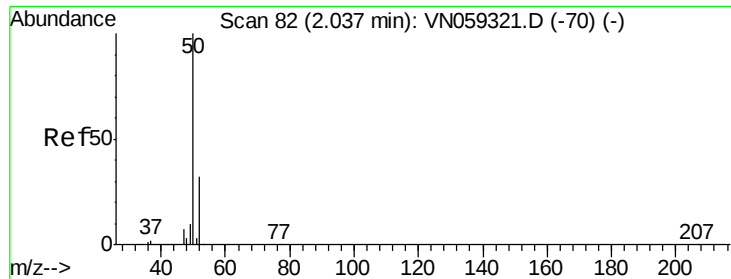
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 44.155 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 271128

Ion Ratio Lower Upper

50 100

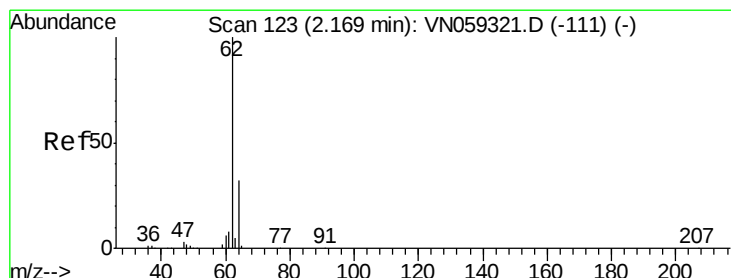
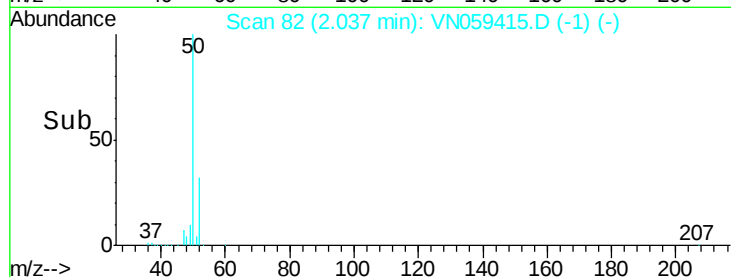
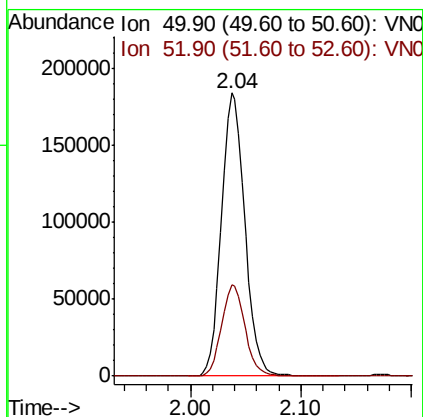
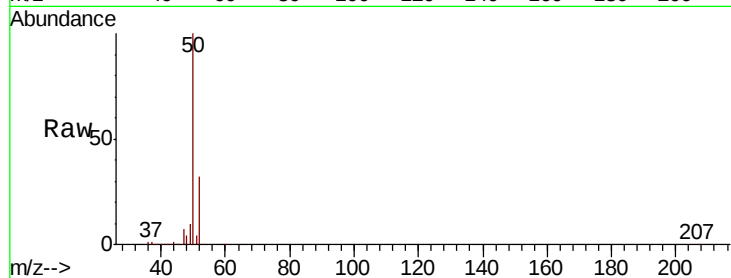
52 32.1 26.0 39.0

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#4

Vinyl Chloride

Concen: 46.905 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059415.D

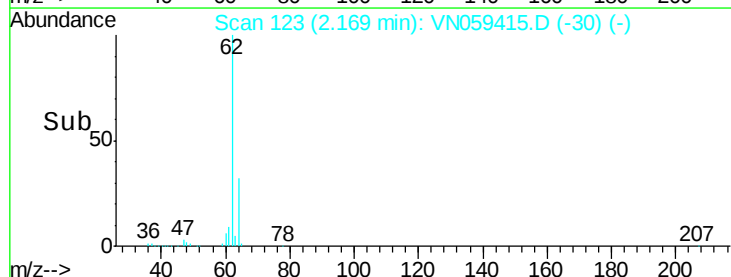
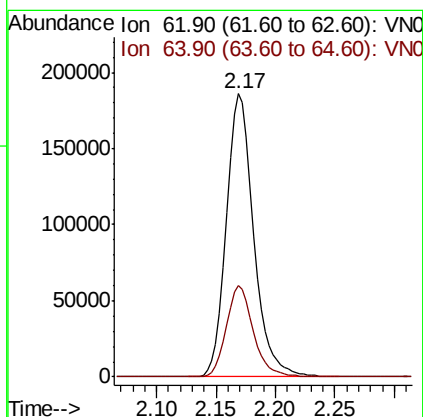
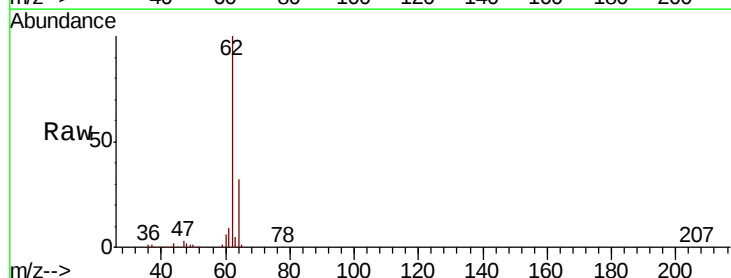
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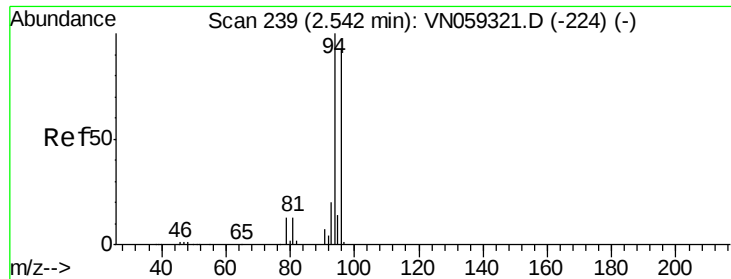
Tgt Ion: 62 Resp: 296535

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.0





#5

Bromomethane

Concen: 45.025 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059415.D

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ClientSampleId :

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Tot Ion: 94 Resp: 158033

Ion Ratio Lower Upper

94 100

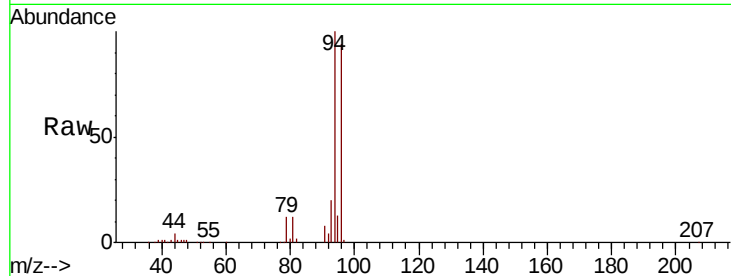
96 93.7 74.5 111.7

Manual Integrations

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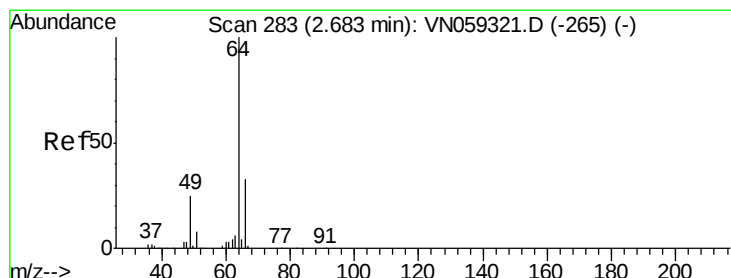
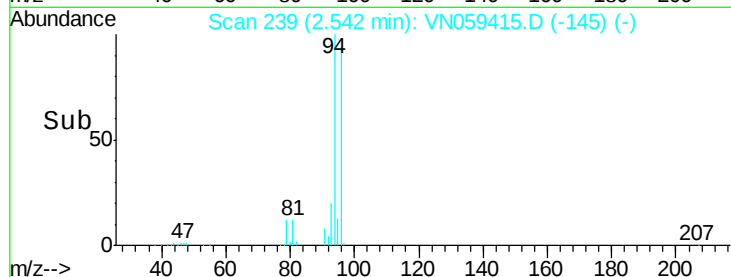
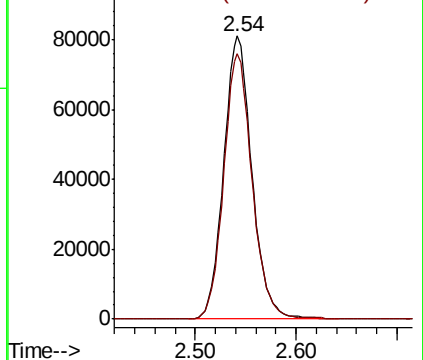
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 44.776 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059415.D

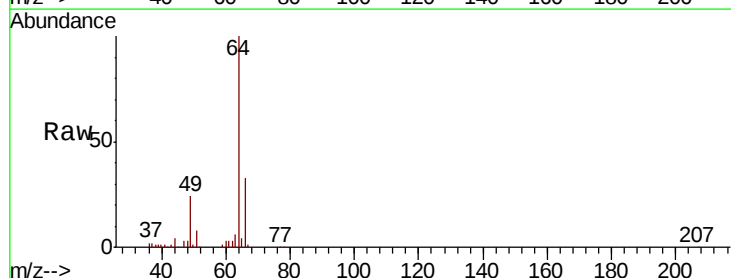
Acq: 26 Nov 2019 18:25

Tgt Ion: 64 Resp: 154491

Ion Ratio Lower Upper

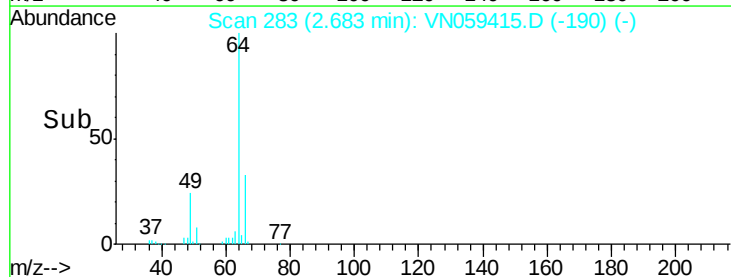
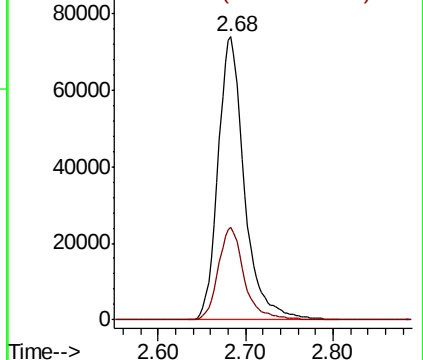
64 100

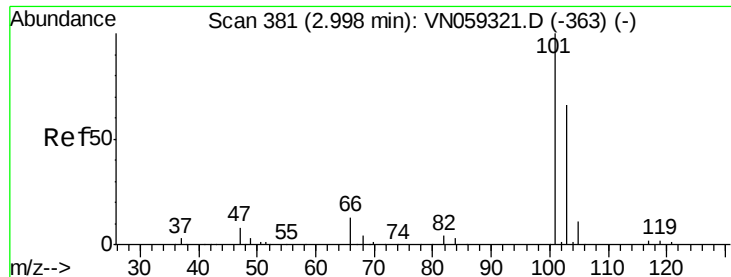
66 32.6 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

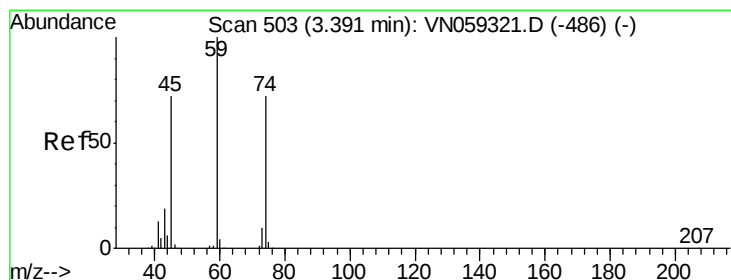
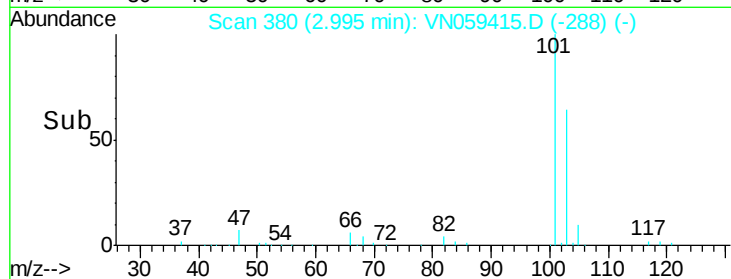
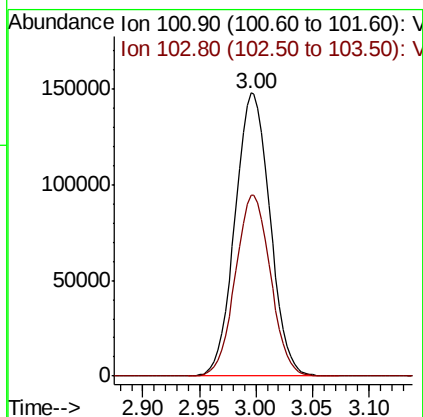
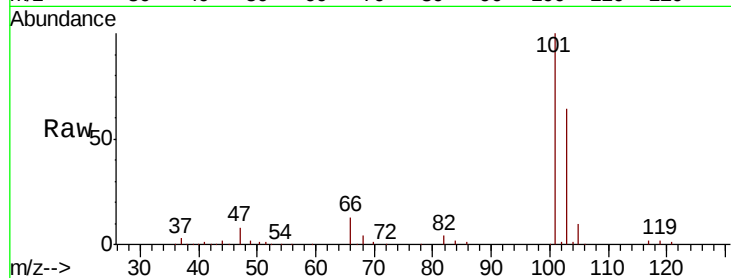
Trichlorofluoromethane
Concen: 46.909 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059415.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.5	78.7

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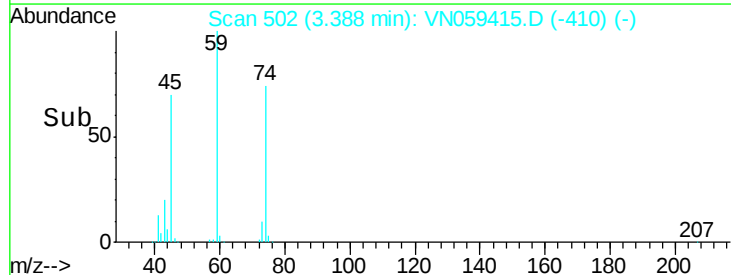
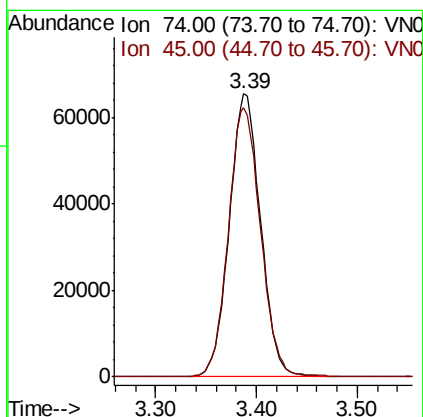
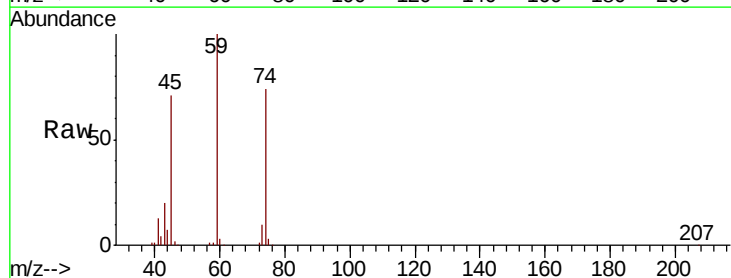
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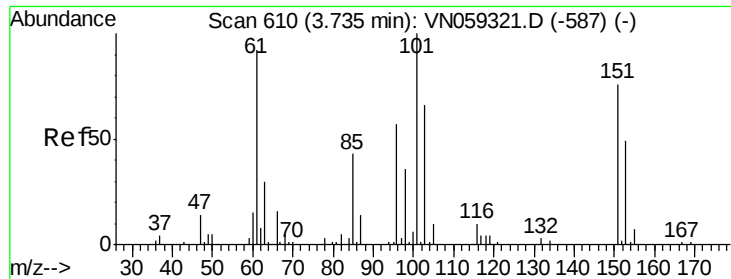


#8

Diethyl Ether
Concen: 50.834 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059415.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	51.7	155.2





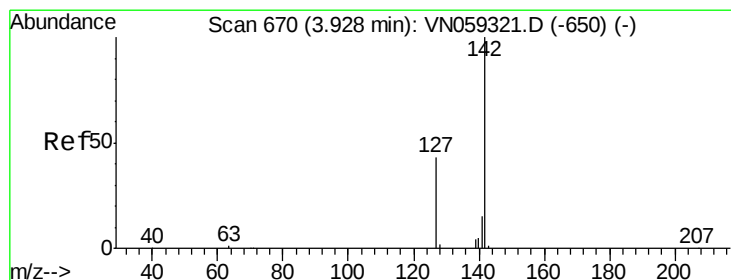
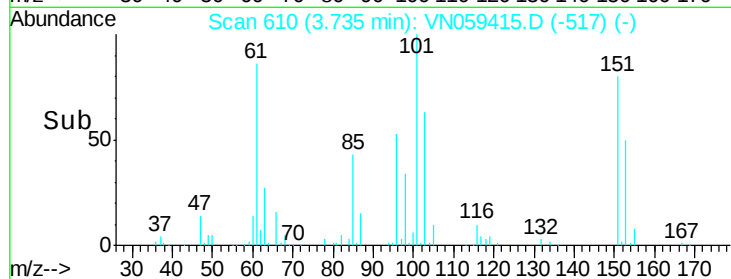
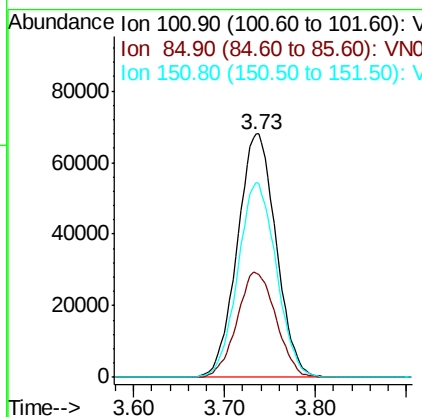
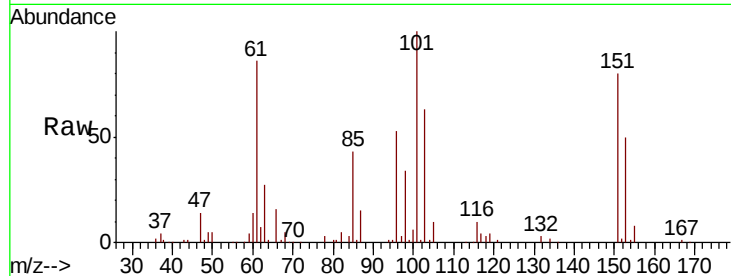
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.358 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	201307		
85	43.3	34.8	52.2	
151	79.5	62.2	93.4	

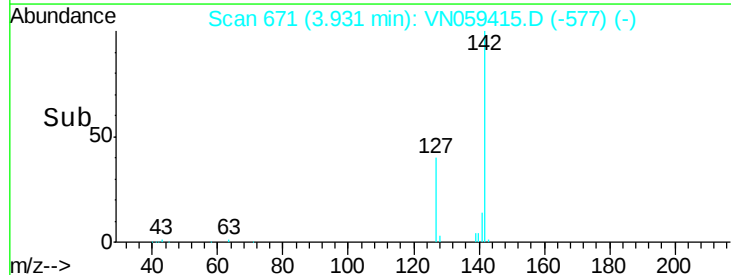
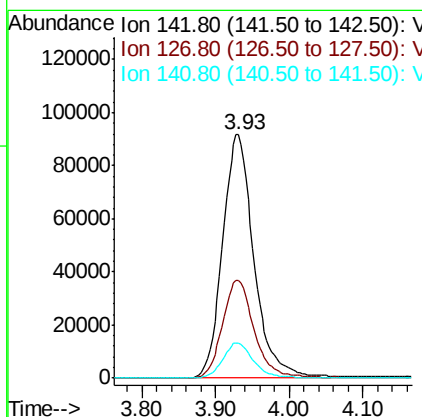
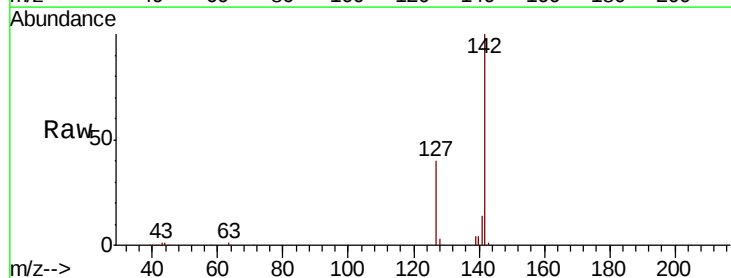
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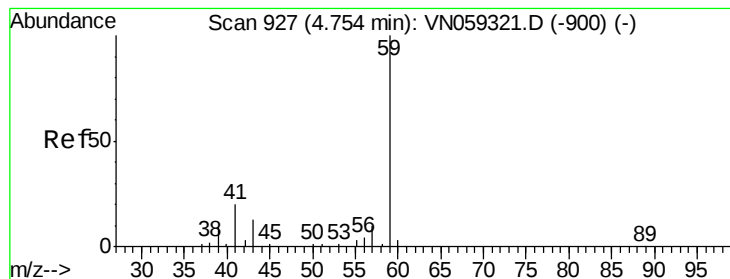
apatel
 11/27/2019 11:26:50 AM



#10
 Methyl Iodide
 Concen: 52.404 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	271123		
127	40.9	33.8	50.6	
141	14.2	11.2	16.8	





#11

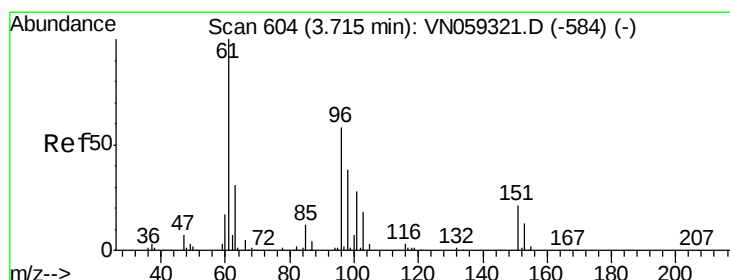
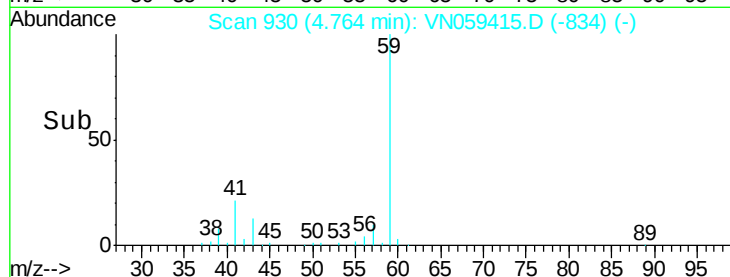
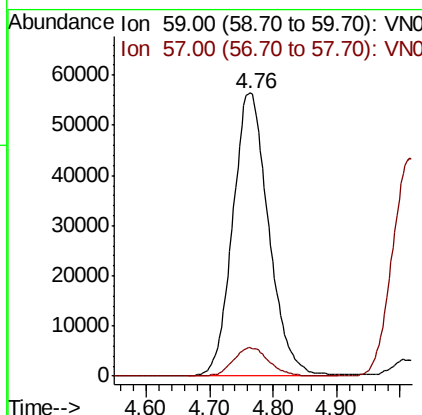
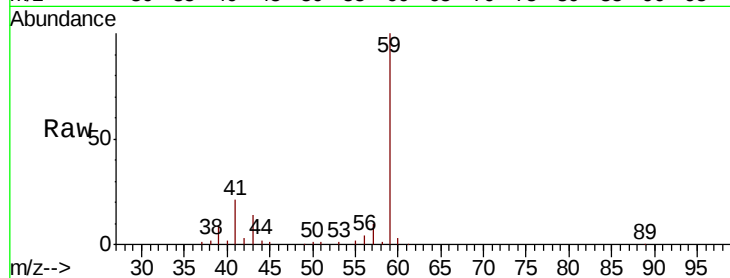
Tert butyl alcohol
 Concen: 235.601 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. 0.01 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	57	Ratio	100	10.0	Resp	221589	Lower	8.2	Upper	12.2
Ion	59	57	Ratio	100	10.0	Resp	221589	Lower	8.2	Upper	12.2

Manual Integrations
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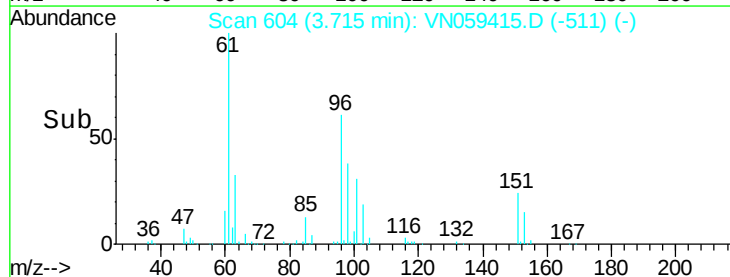
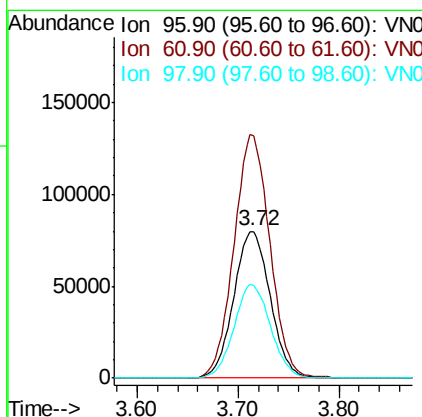
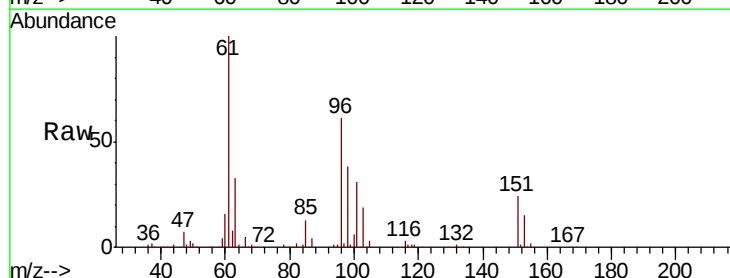
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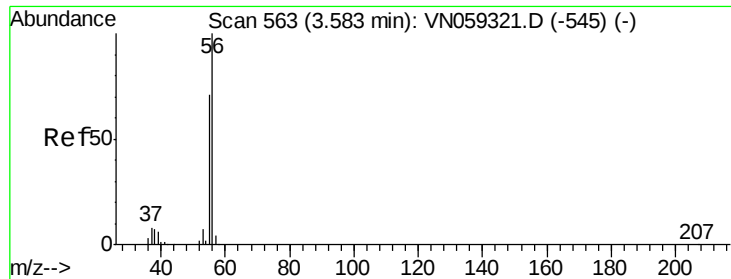


#12

1,1-Dichloroethene
 Concen: 47.505 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	96	61	98	Ratio	100	164.9	63.3	Resp	200734	Lower	136.8	51.6	Upper	205.2	77.4
Ion	96	61	98	Ratio	100	164.9	63.3	Resp	200734	Lower	136.8	51.6	Upper	205.2	77.4





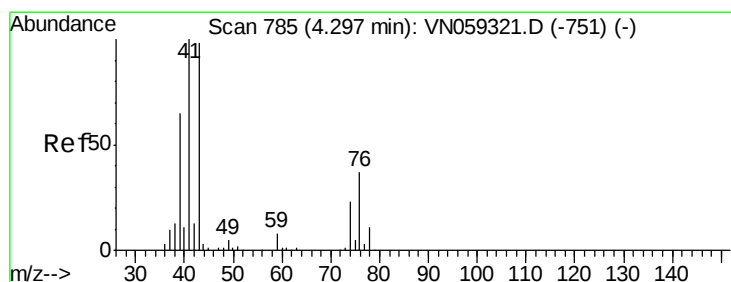
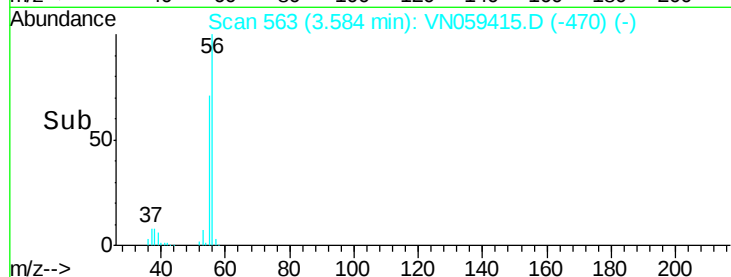
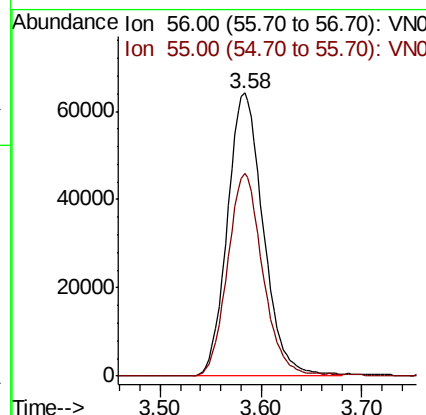
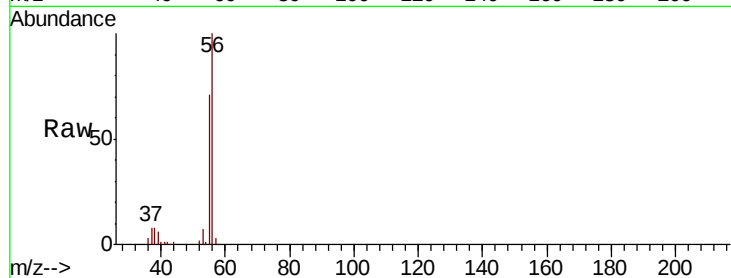
#13
Acrolein
Concen: 184.955 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	158794
Ion Ratio	100	Lower	Upper
55	71.0	57.4	86.0

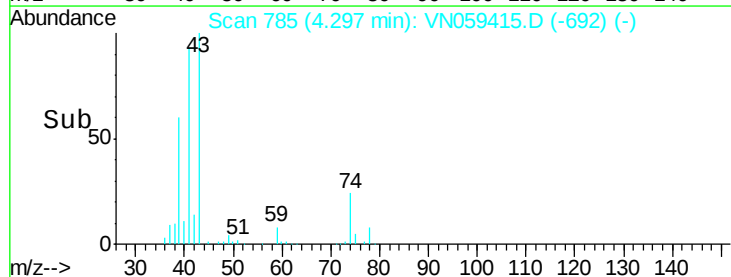
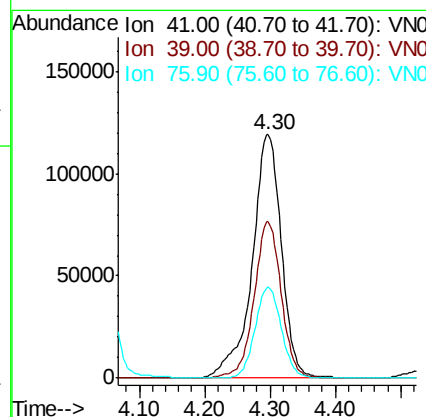
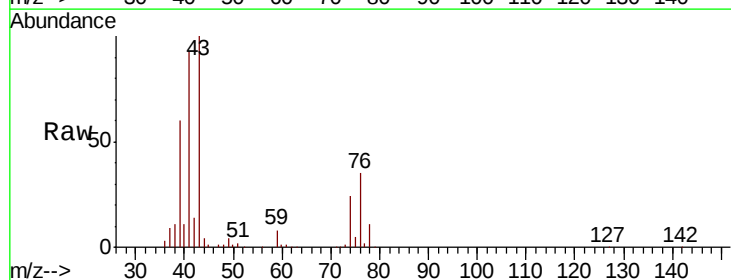
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#14
Allyl chloride
Concen: 47.179 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	41	Resp	372426
Ion Ratio	100	Lower	Upper
39	59.7	48.4	72.6
76	33.5	26.2	39.4





#15

Acrylonitrile

Concen: 252.106 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

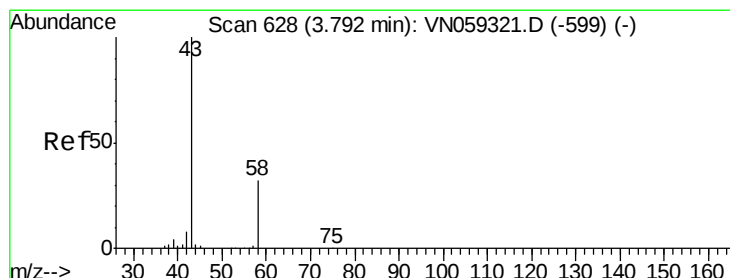
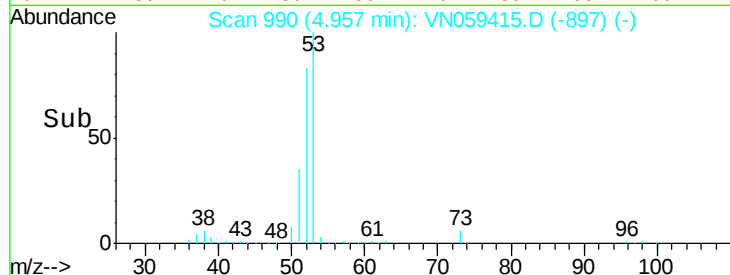
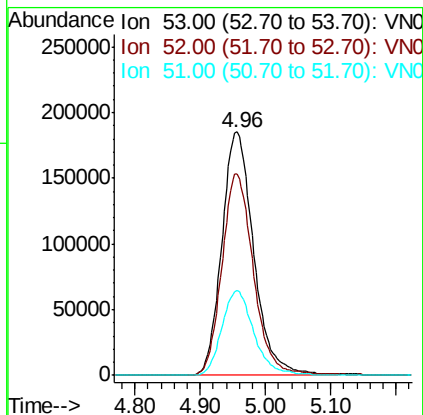
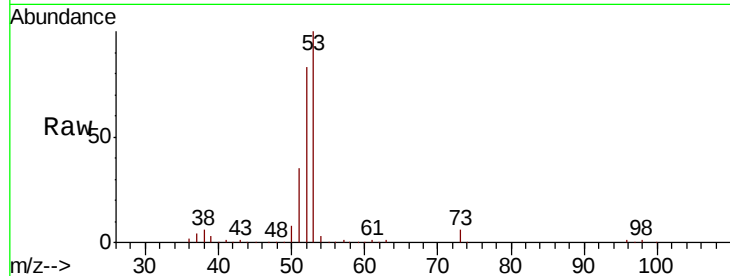
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	626926
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.2	28.2	42.2

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#16

Acetone

Concen: 261.640 ug/l

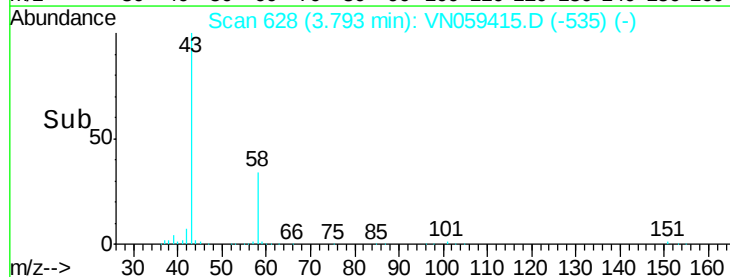
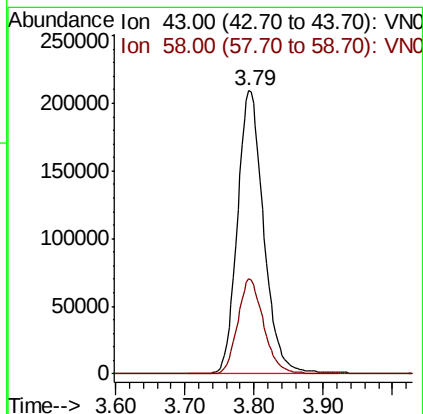
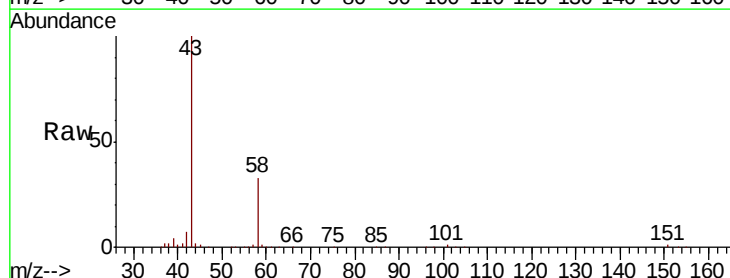
RT: 3.79 min Scan# 628

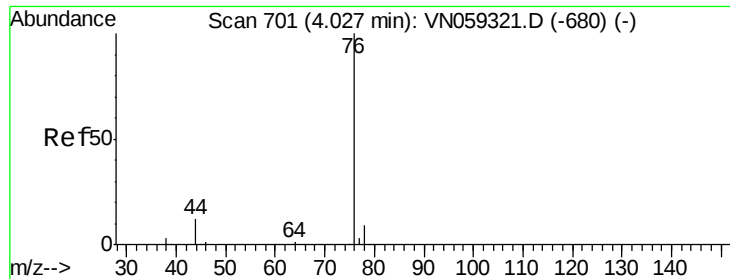
Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	43	Resp:	551096
Ion	Ratio	Lower	Upper
43	100		
58	33.5	25.8	38.6





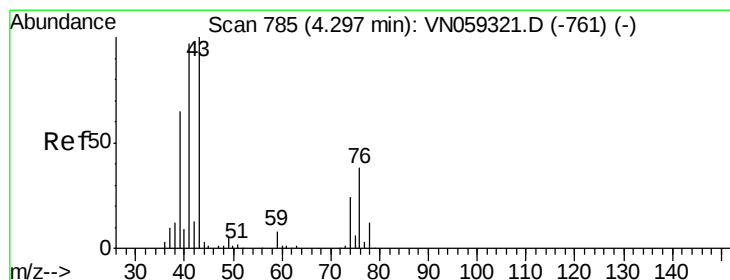
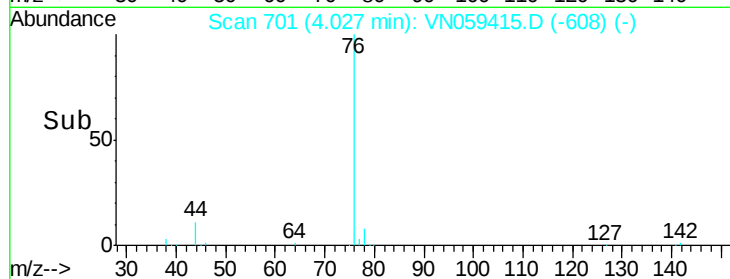
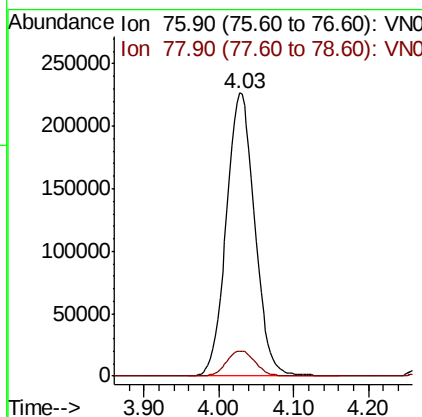
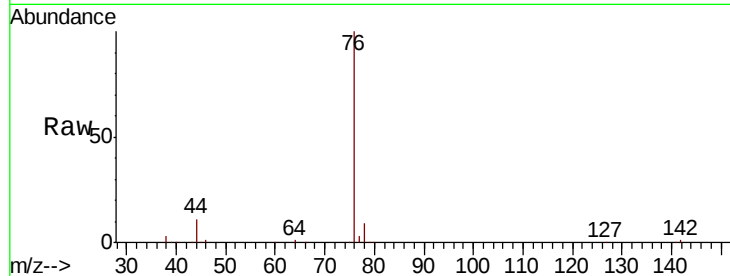
#17
Carbon Disulfide
Concen: 45.014 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

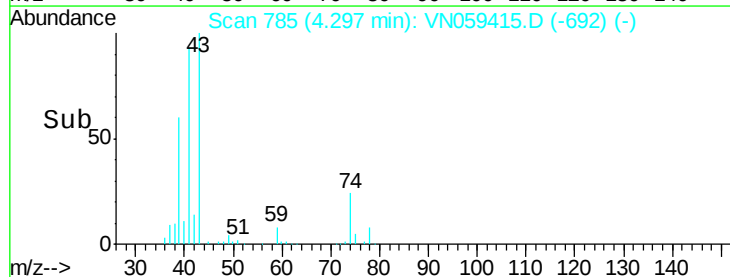
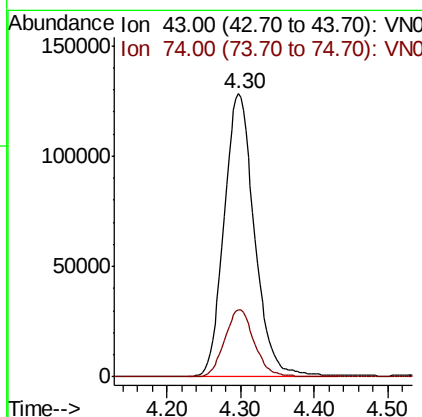
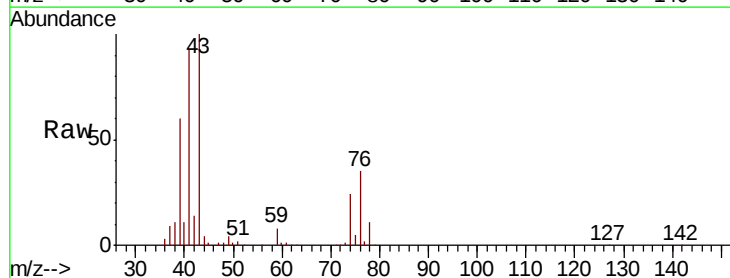
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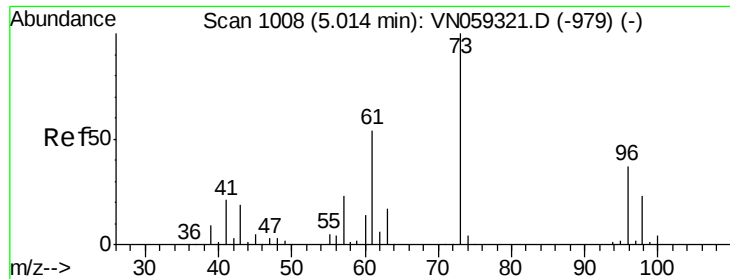
apatel
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#18
Methyl Acetate
Concen: 52.252 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.1	27.1





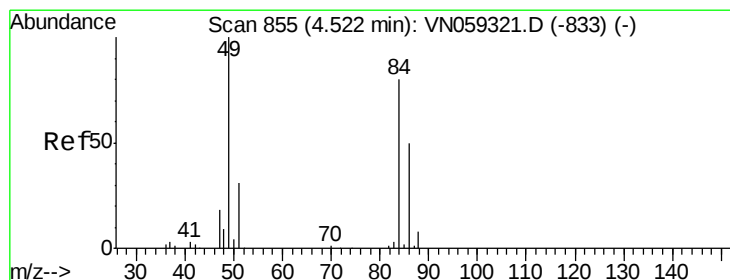
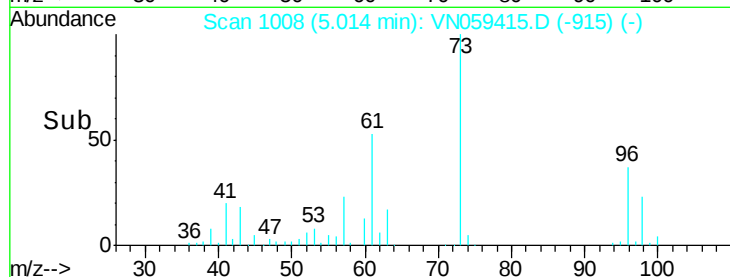
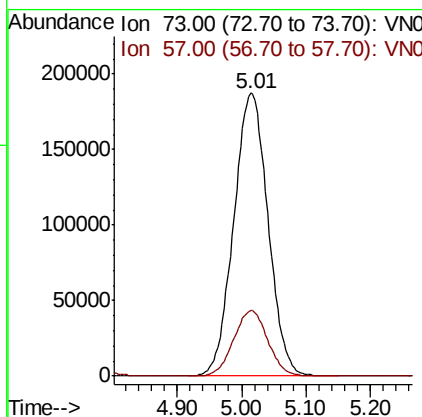
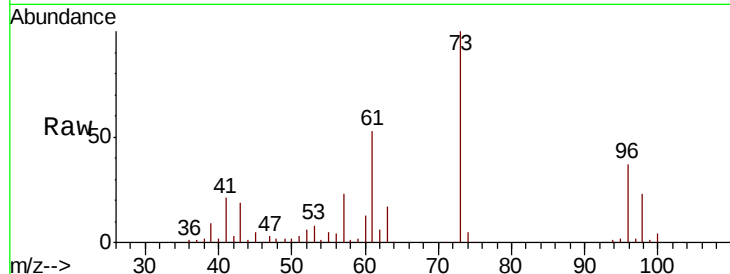
#19
Methvl tert-butvl Ether
Concen: 50.891 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 694566
Ion Ratio Lower Upper
73 100
57 23.2 18.4 27.6

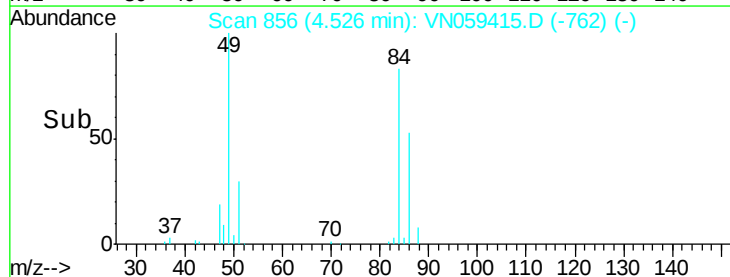
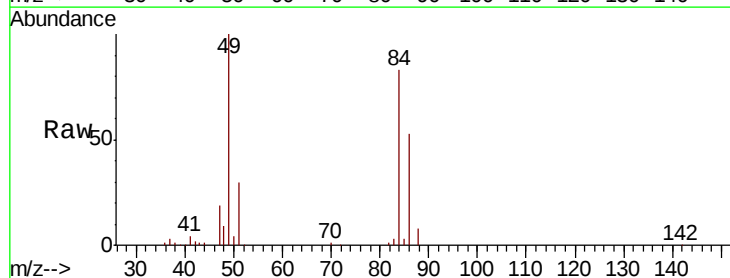
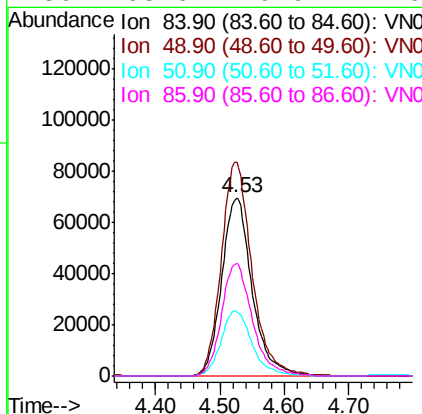
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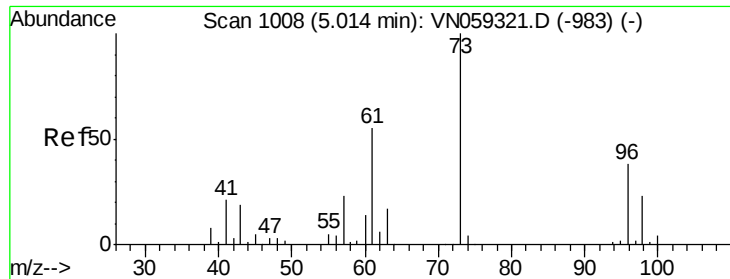
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#20
Methylene Chloride
Concen: 48.015 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 84 Resp: 228096
Ion Ratio Lower Upper
84 100
49 119.9 99.5 149.3
51 36.2 31.1 46.7
86 63.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 48.435 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 216910

Ion Ratio Lower Upper

96 100

61 144.4 116.4 174.6

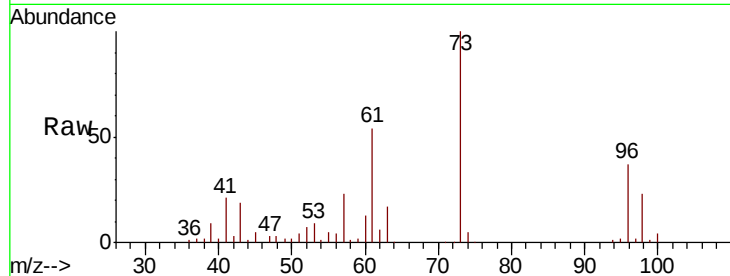
98 62.8 49.6 74.4

Manual Integrations

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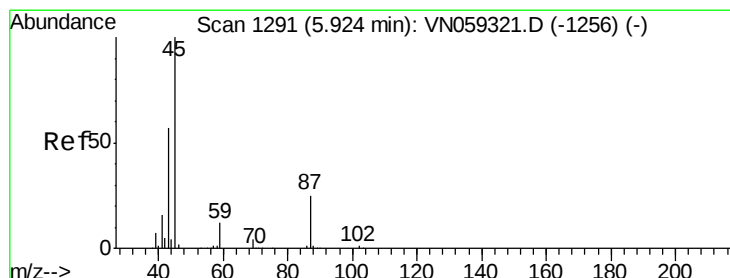
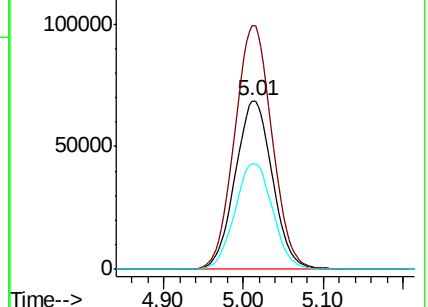
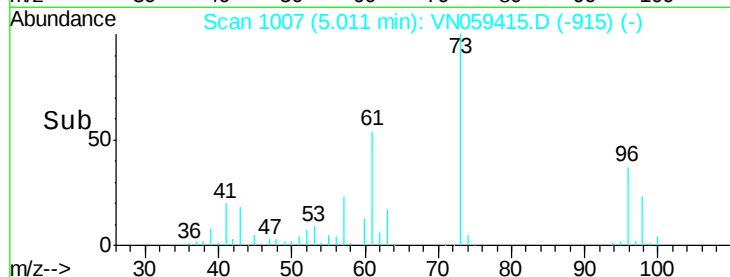
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Abundance Ion 95.90 (95.60 to 96.60): VN059415.D (-915) (-)

Ion 60.90 (60.60 to 61.60): VN059415.D (-915) (-)

Ion 97.90 (97.60 to 98.60): VN059415.D (-915) (-)



#22

Diisopropyl ether

Concen: 49.920 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion: 45 Resp: 741943

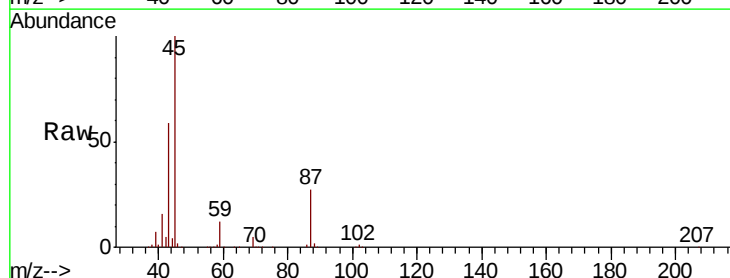
Ion Ratio Lower Upper

45 100

43 58.2 47.6 71.4

87 26.8 20.7 31.1

59 11.7 9.4 14.2

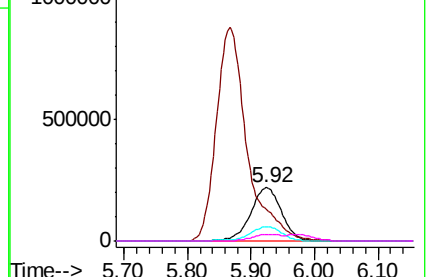
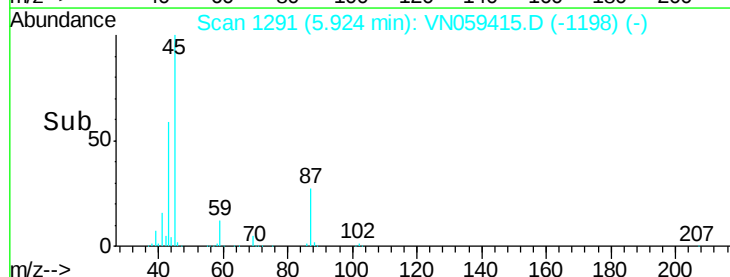


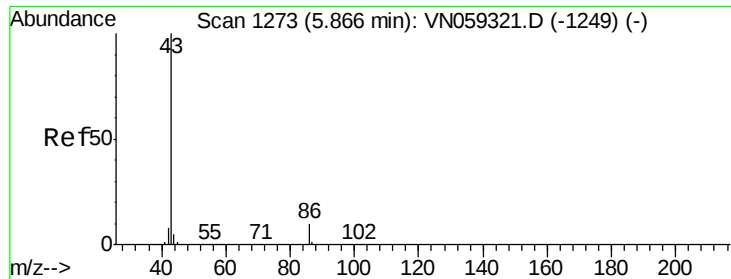
Abundance Ion 45.00 (44.70 to 45.70): VN059415.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059415.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059415.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059415.D (-1198) (-)





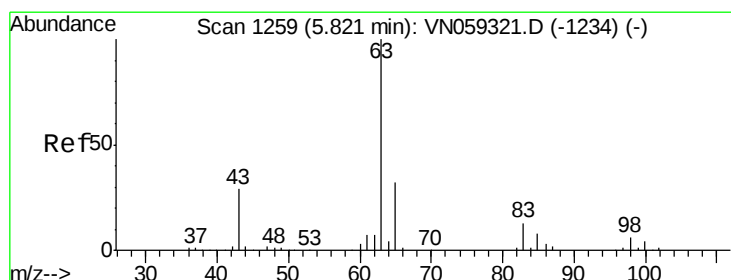
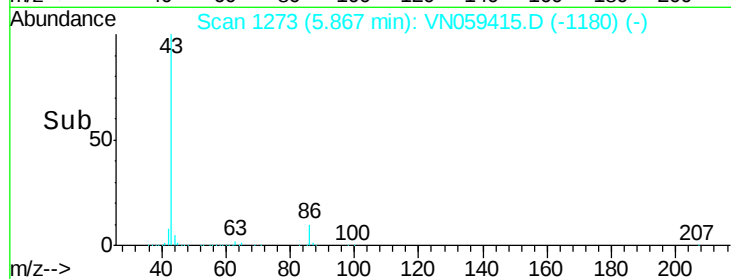
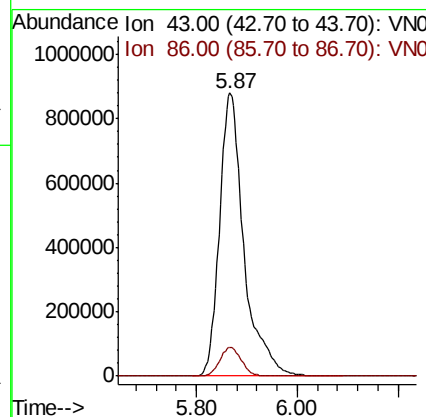
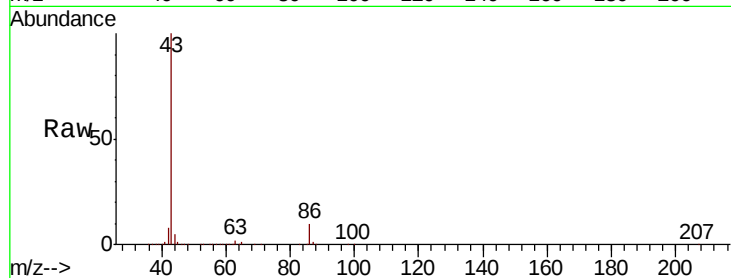
#23
 Vinyl Acetate
 Concen: 253.602 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2964016
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.0 12.0

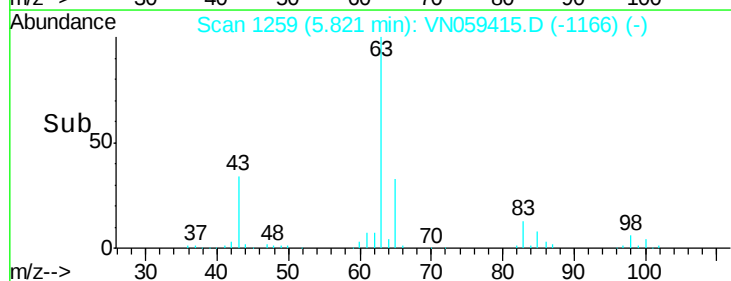
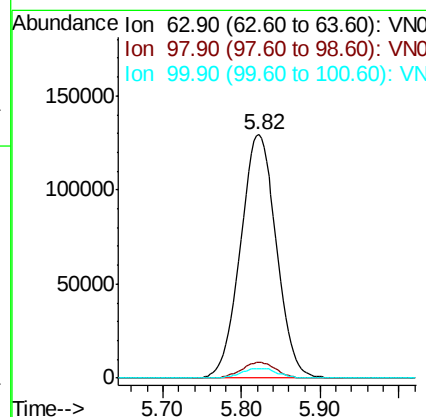
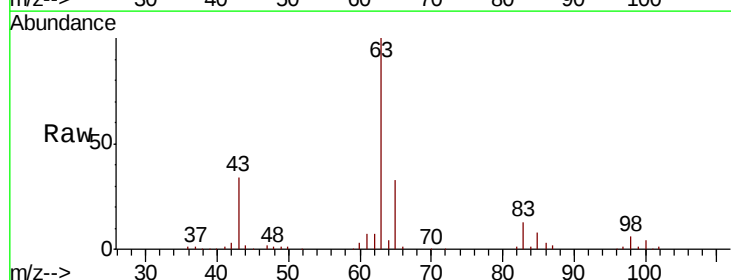
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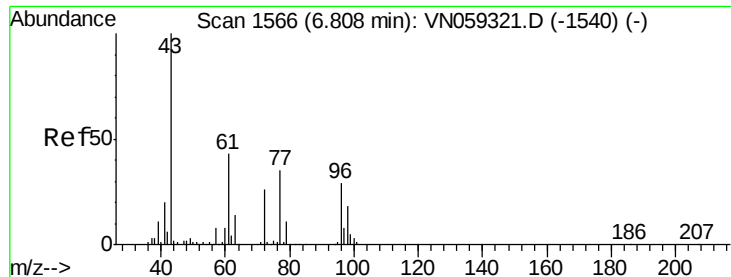
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#24
 1,1-Dichloroethane
 Concen: 49.526 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion: 63 Resp: 414331
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.8
 100 4.0 1.9 5.7





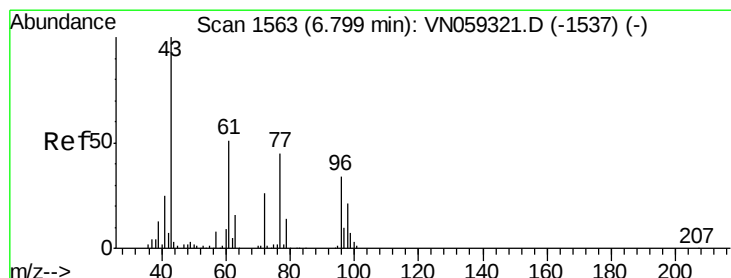
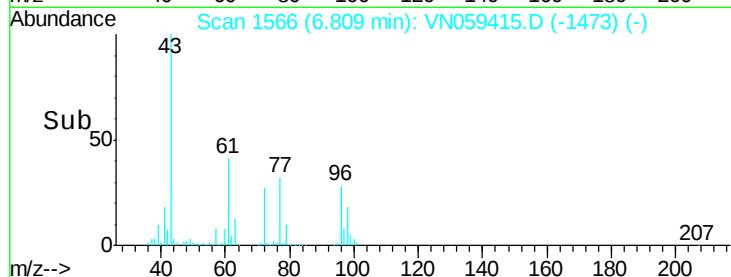
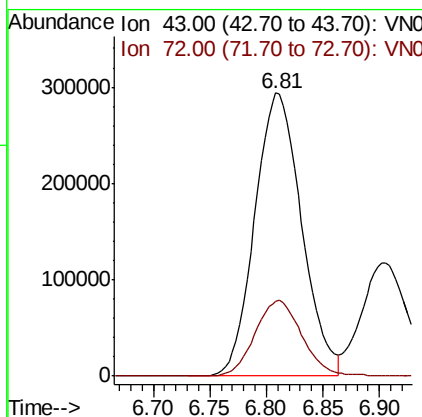
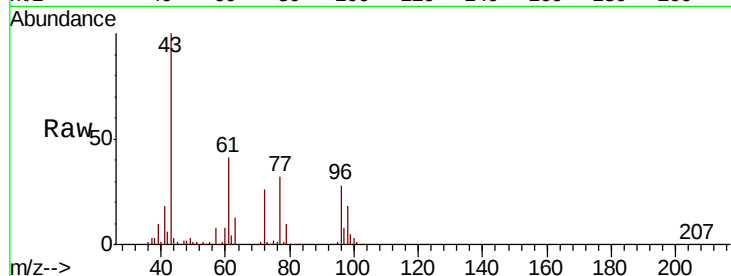
#25
2-Butanone
Concen: 256.870 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 841328
Ion Ratio Lower Upper
43 100
72 26.5 20.5 30.7

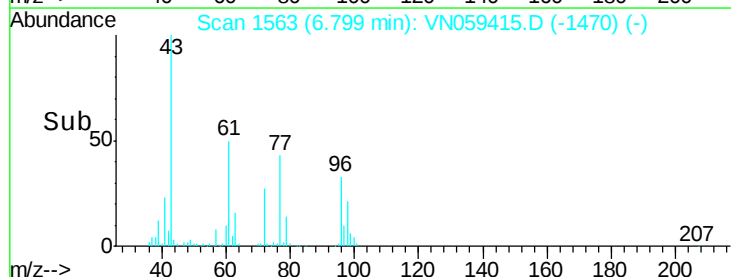
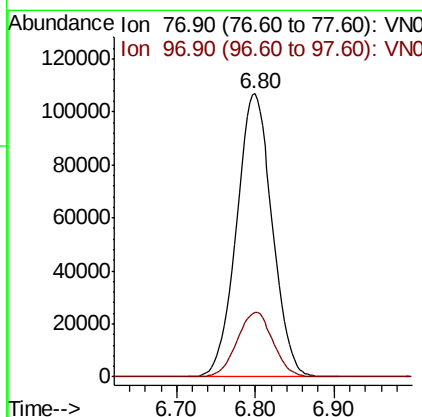
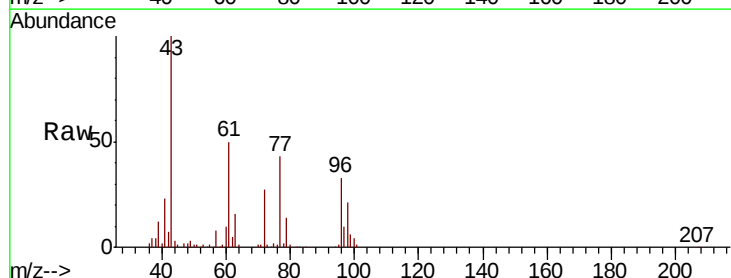
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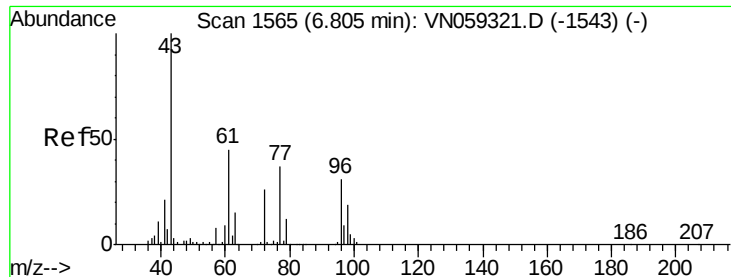
apatel
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#26
2,2-Dichloropropane
Concen: 46.875 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 77 Resp: 339556
Ion Ratio Lower Upper
77 100
97 23.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 49.416 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

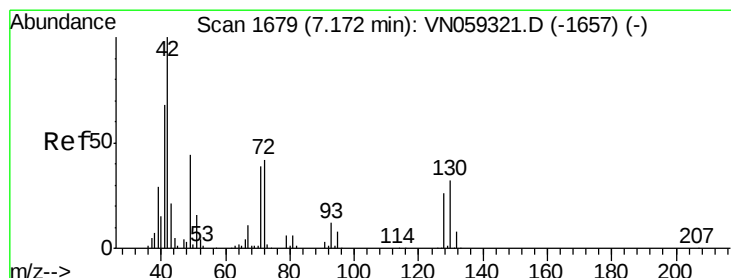
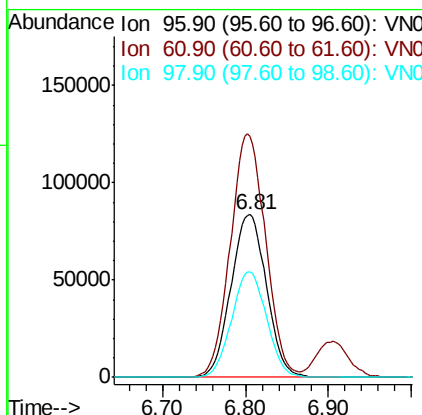
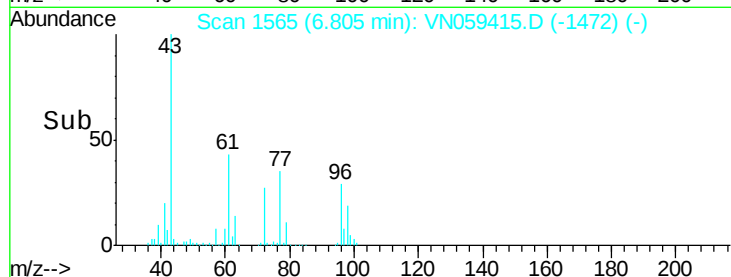
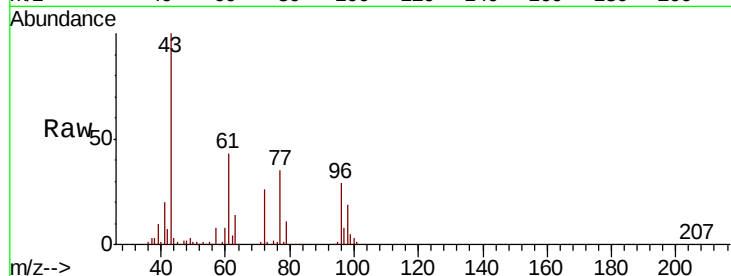
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	249688
Ion Ratio	Lower	Upper	
96	100		
61	148.0	0.0	304.0
98	64.0	0.0	128.4

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#28

Bromochloromethane

Concen: 48.103 ug/l

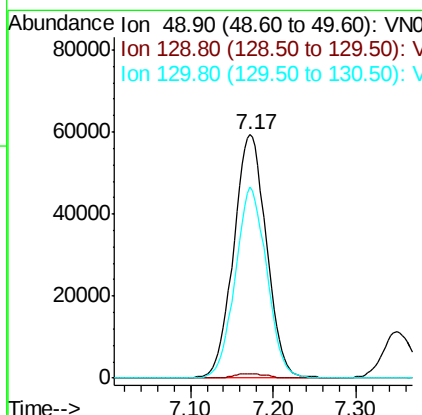
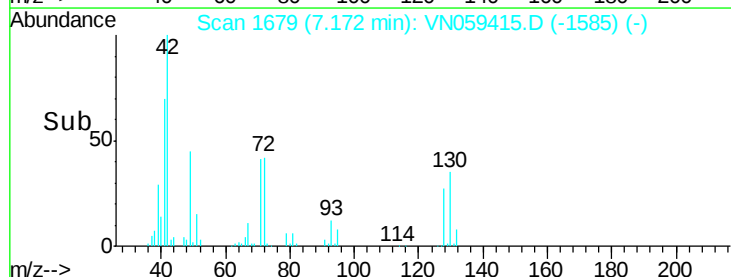
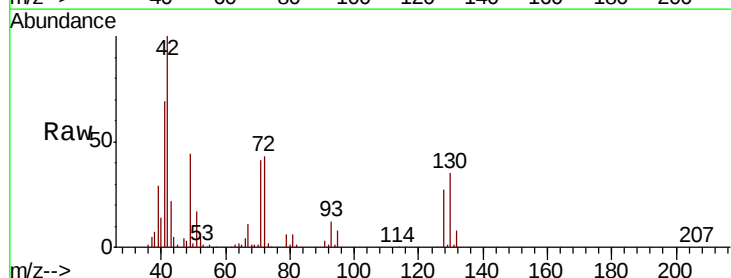
RT: 7.17 min Scan# 1679

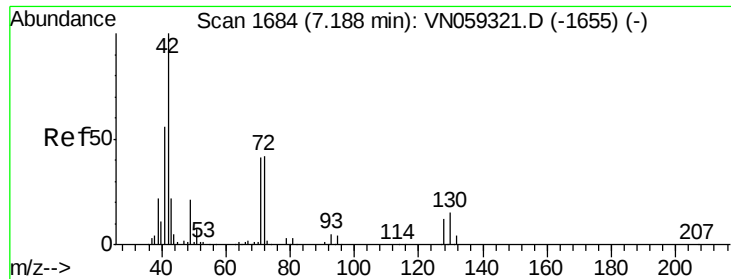
Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	49	Resp:	163600
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	74.9	57.0	85.6





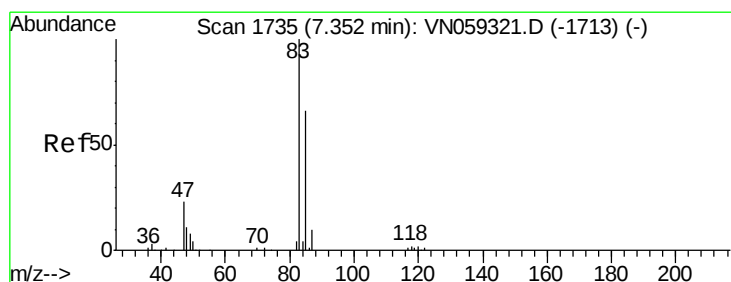
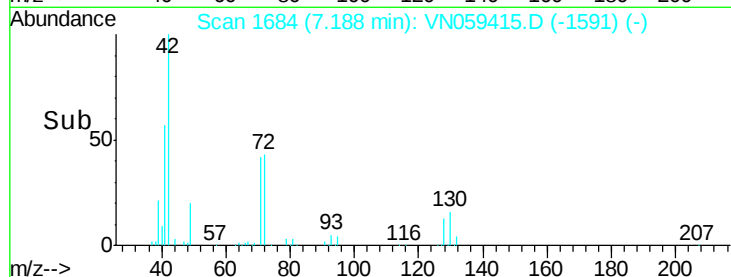
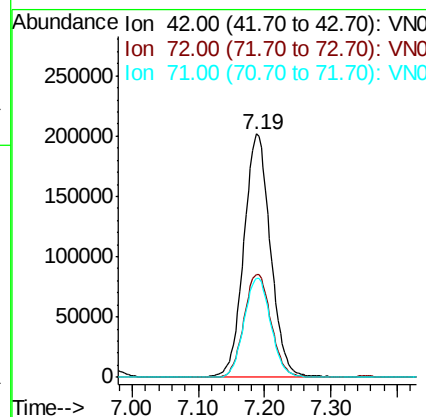
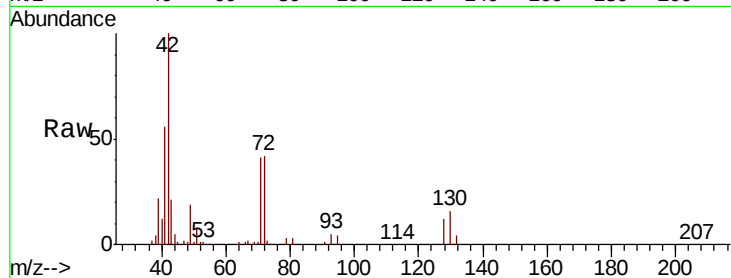
#29
Tetrahydrofuran
Concen: 249.141 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	40.8	32.6	48.8

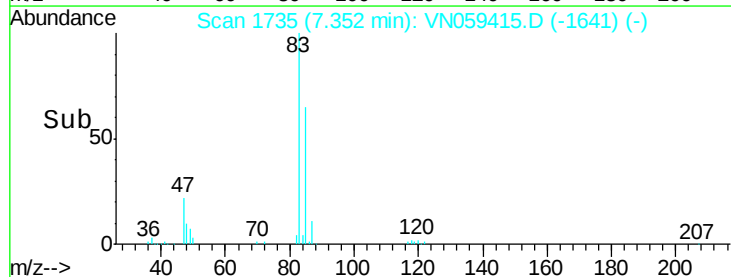
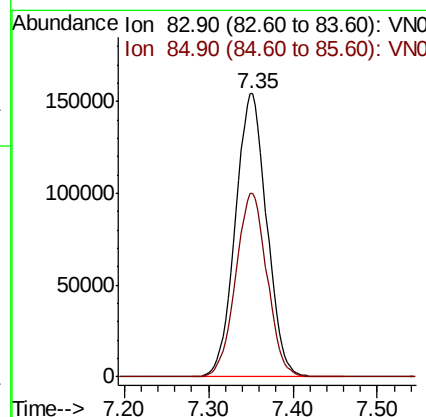
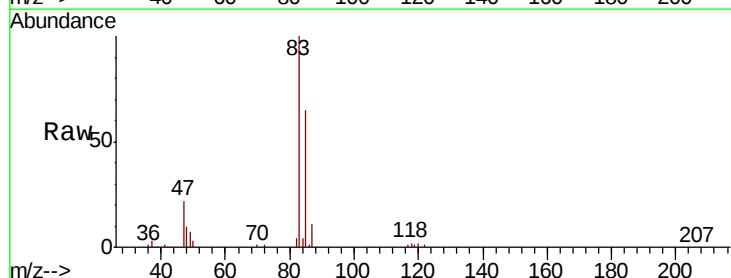
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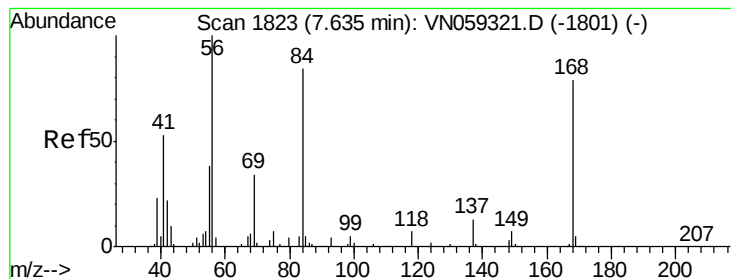
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#30
Chloroform
Concen: 49.293 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.7	79.1





#31

Cyclohexane

Concen: 44.834 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 370851

Ion Ratio Lower Upper

56 100

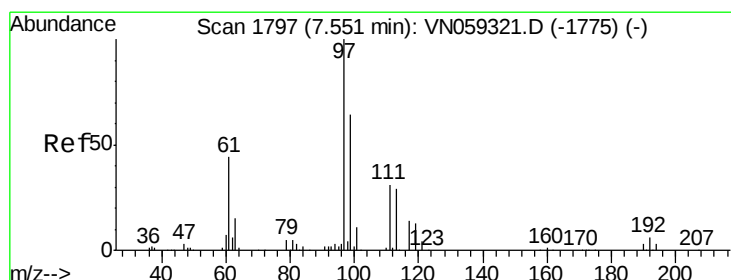
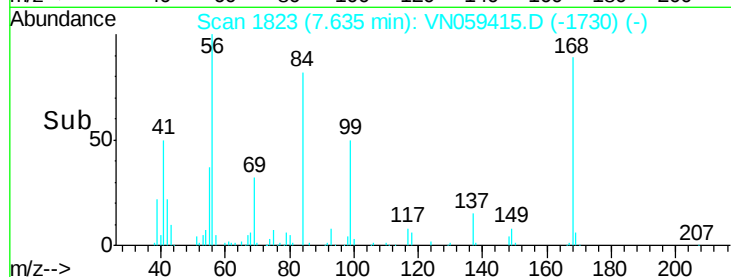
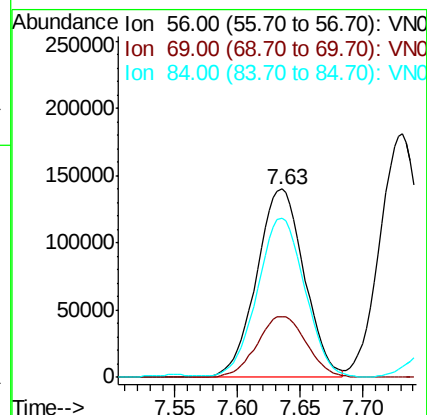
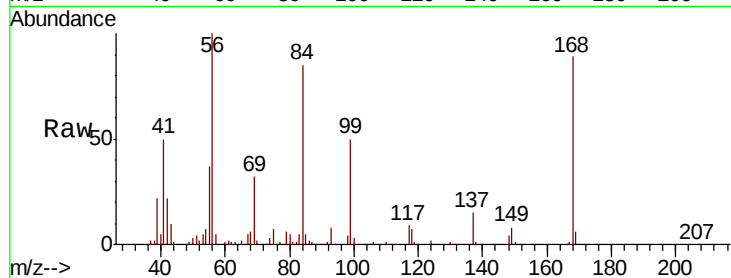
69 32.4 26.6 40.0

84 83.8 67.0 100.4

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#32

1,1,1-Trichloroethane

Concen: 49.107 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

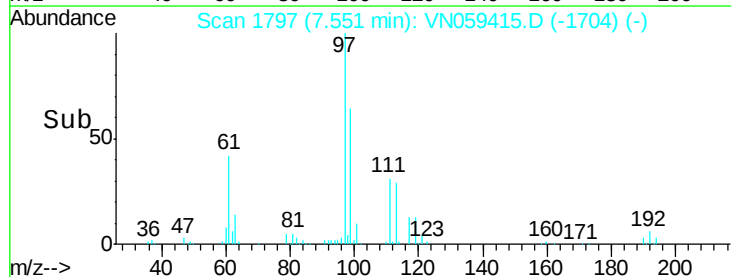
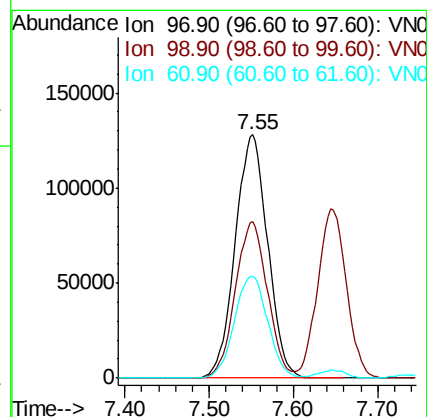
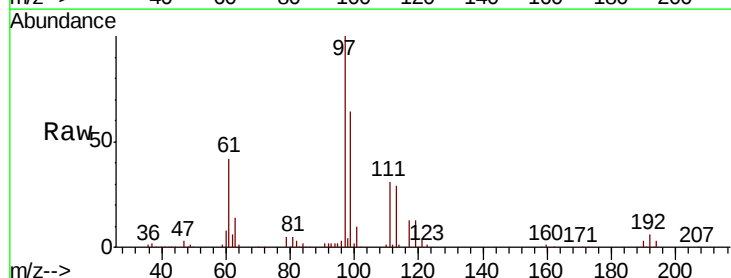
Tgt Ion: 97 Resp: 342528

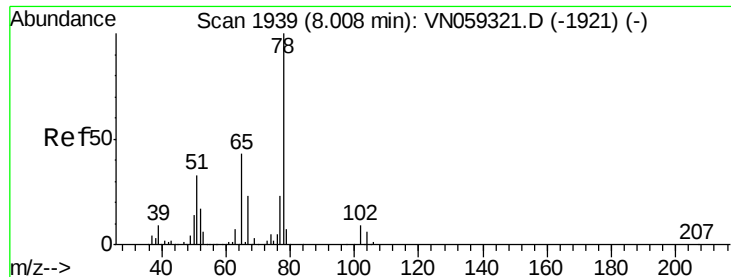
Ion Ratio Lower Upper

97 100

99 63.8 51.3 76.9

61 43.1 35.3 52.9





#33

1,2-Dichloroethane-d4

Concen: 47.079 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 221157

Ion Ratio Lower Upper

65 100

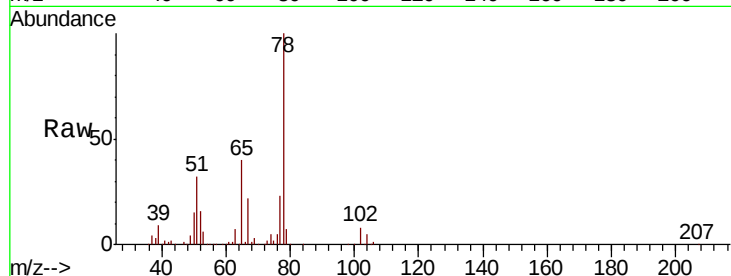
67 55.6 0.0 109.4

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Abundance Ion 64.90 (64.60 to 65.60): VN059415.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059415.D (-1846) (-)

8.01

100000

80000

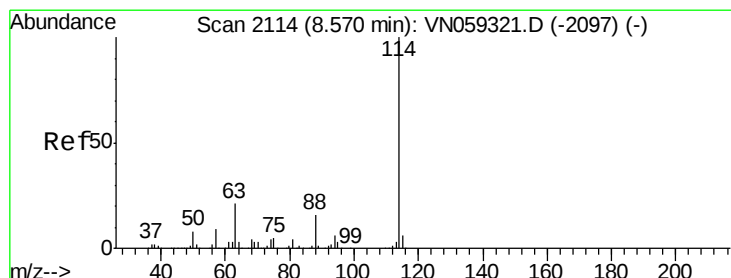
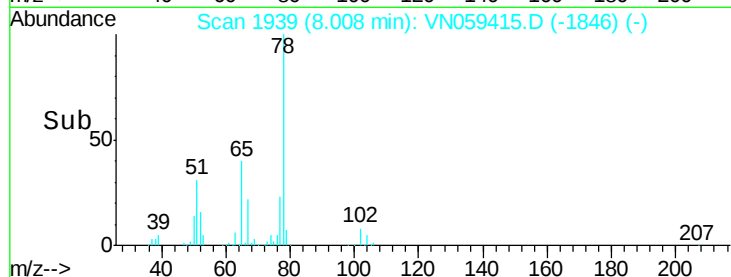
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

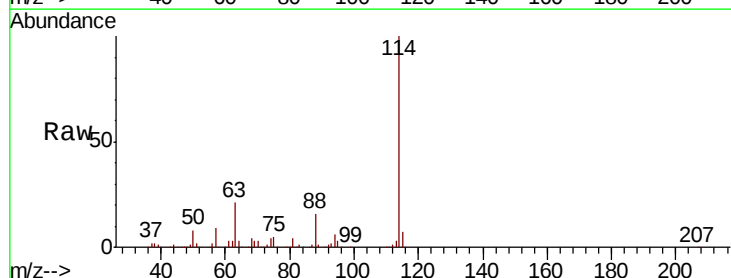
Tgt Ion: 114 Resp: 616771

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.2

88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059415.D (-2021) (-)

Ion 63.00 (62.70 to 63.70): VN059415.D (-2021) (-)

Ion 87.90 (87.60 to 88.60): VN059415.D (-2021) (-)

8.57

400000

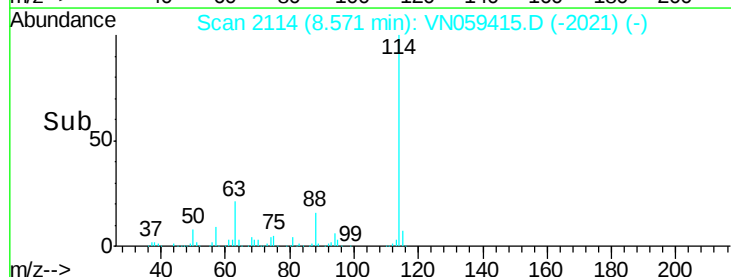
300000

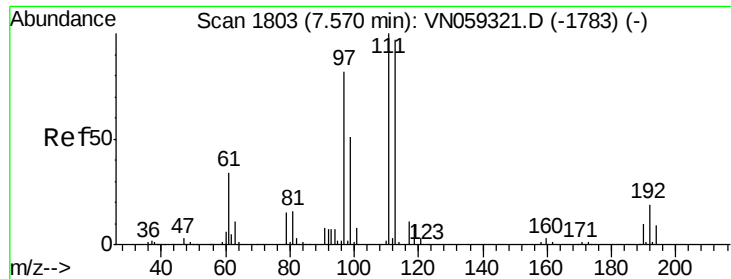
200000

100000

0

Time--> 8.50 8.60 8.70





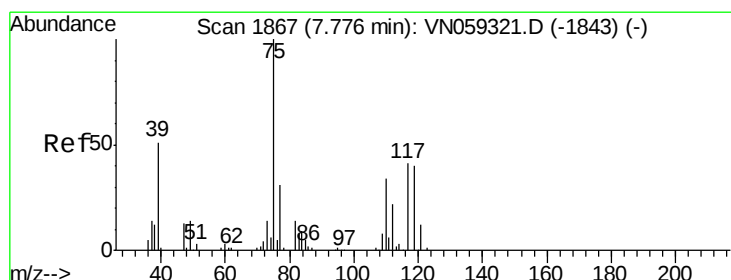
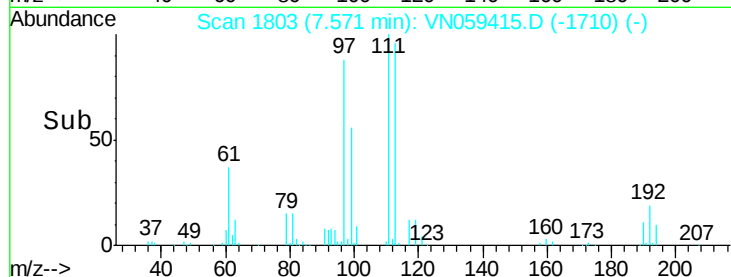
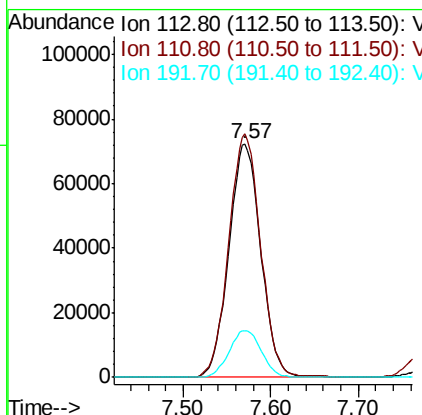
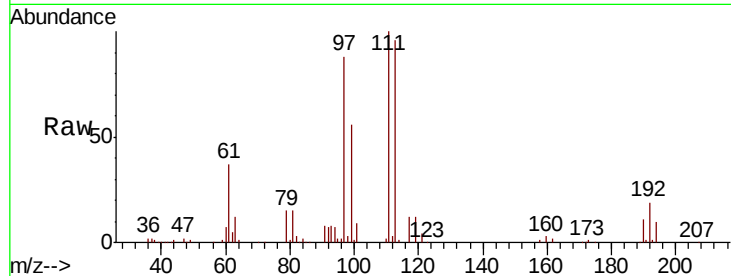
#35
 Dibromofluoromethane
 Concen: 49.493 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183139		
111	104.0	82.7	124.1	
192	20.3	16.3	24.5	

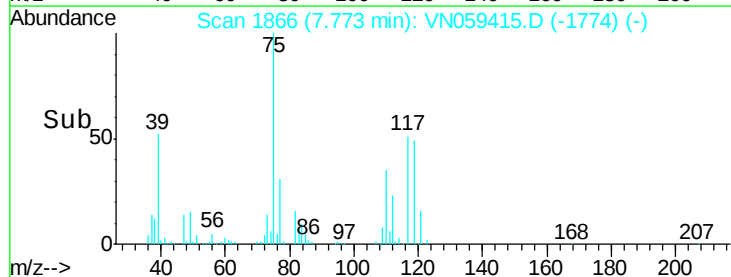
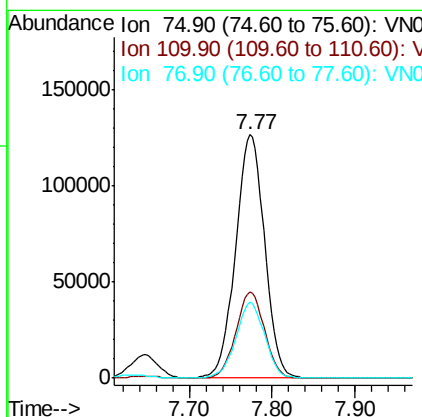
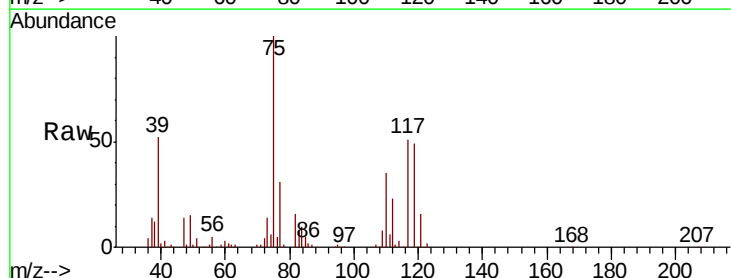
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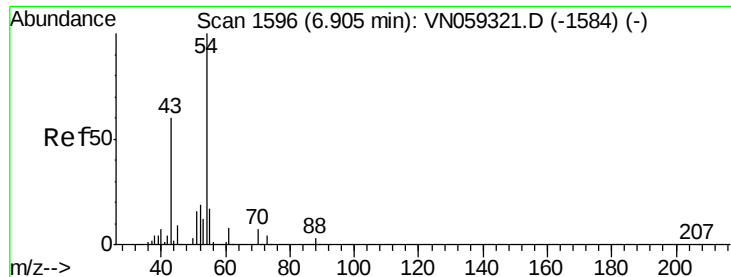
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#36
 1,1-Dichloropropene
 Concen: 48.363 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	307939		
110	34.9	17.0	51.0	
77	31.2	24.8	37.2	





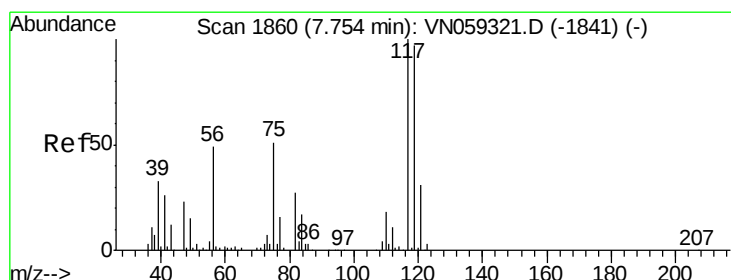
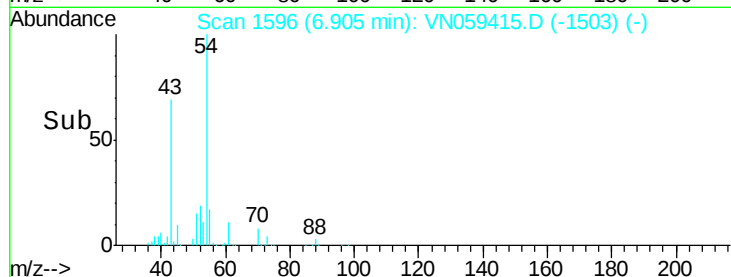
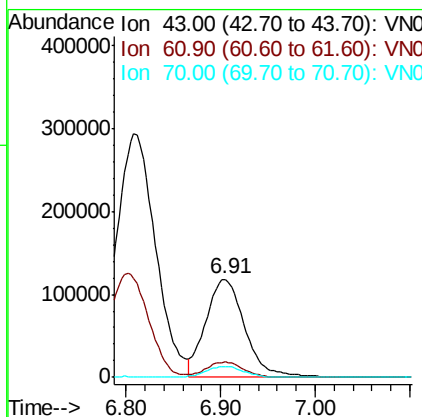
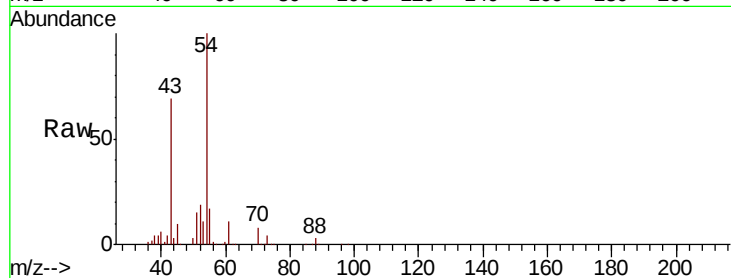
#37
Ethyl Acetate
Concen: 49.001 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.6
70	11.0	8.8	13.2

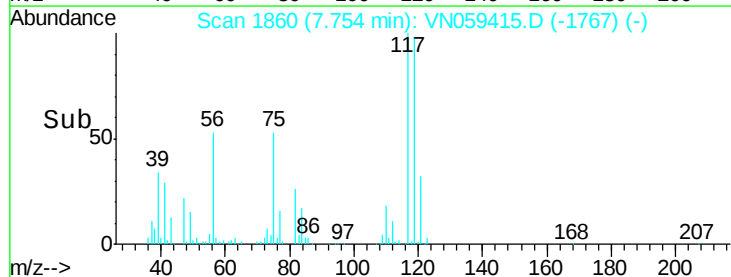
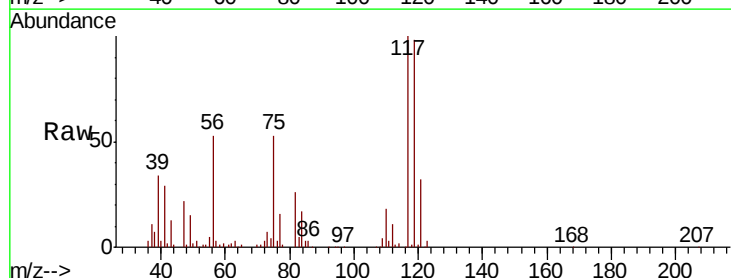
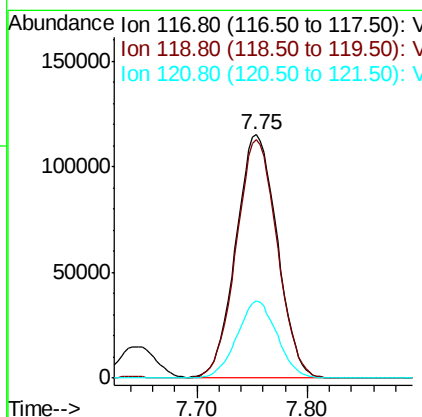
Manual Integrations
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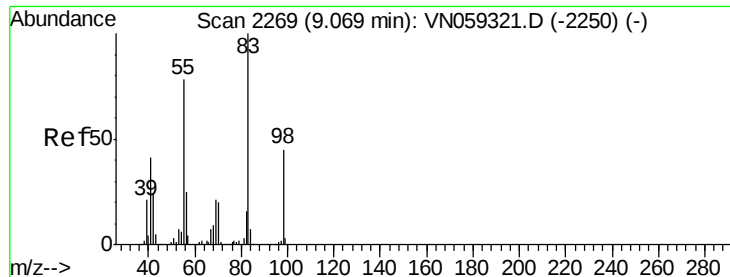
apatel
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#38
Carbon Tetrachloride
Concen: 49.068 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.0	115.4
121	31.9	24.4	36.6





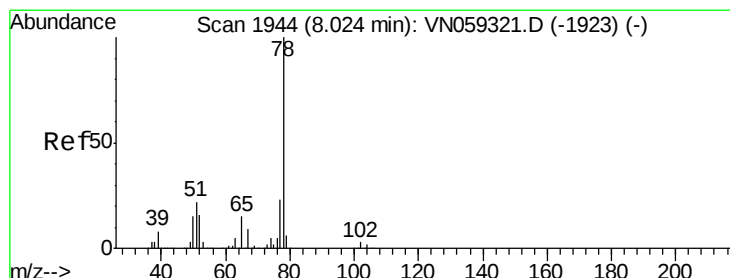
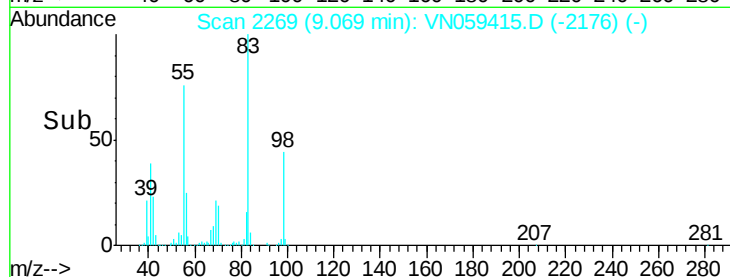
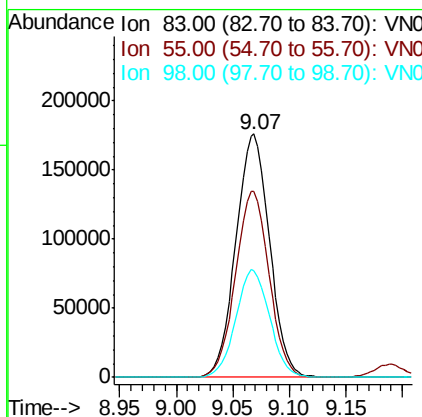
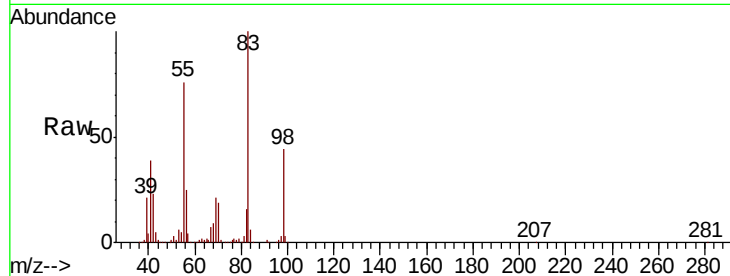
#39
Methvlcvclohexane
Concen: 47.606 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	62.3	93.5
98	43.8	36.0	54.0

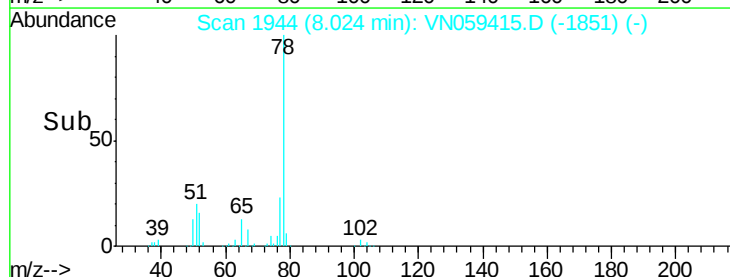
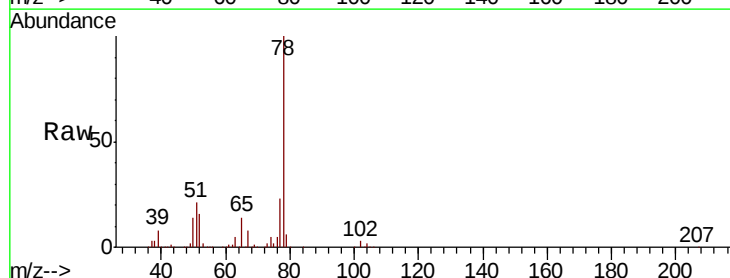
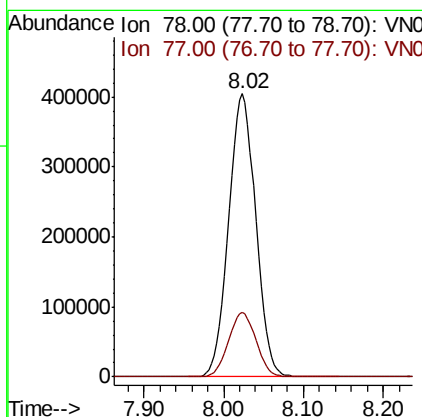
Manual Integrations
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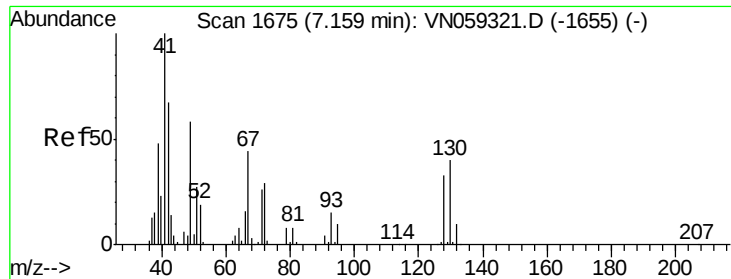
apatel
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#40
Benzene
Concen: 49.767 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.4	27.6





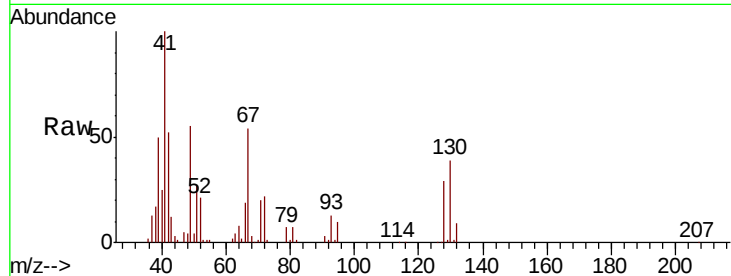
#41
Methacrylonitrile
Concen: 50.113 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

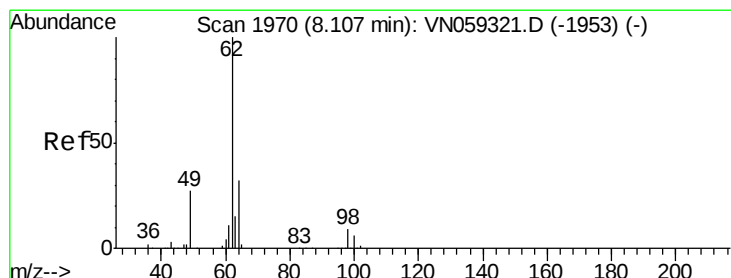
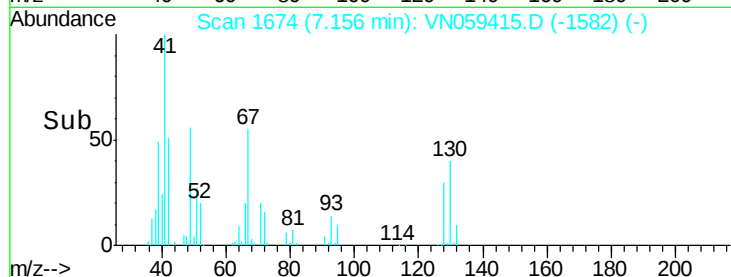
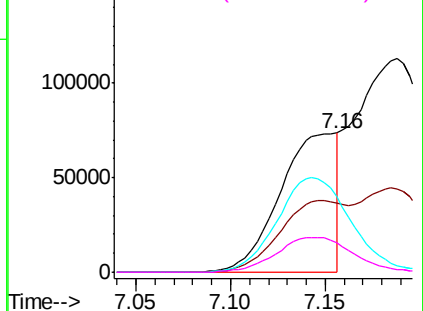
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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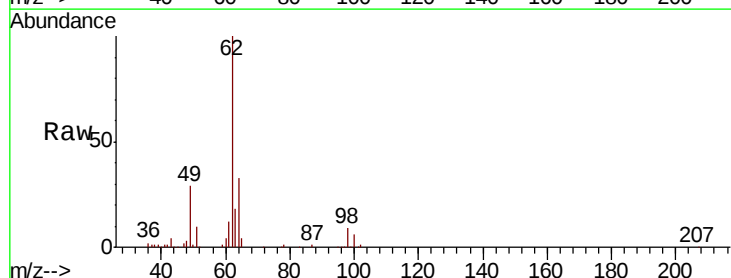


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

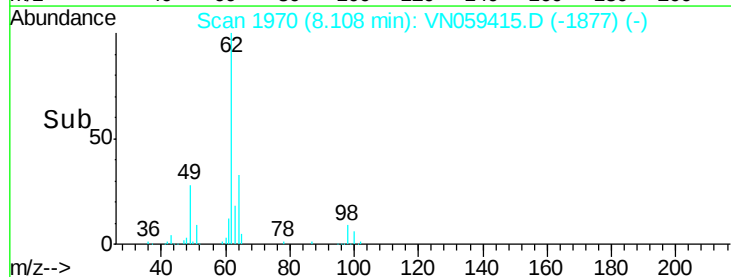
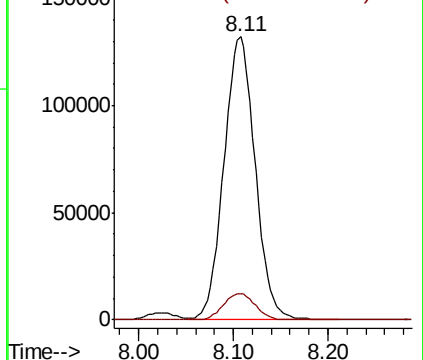


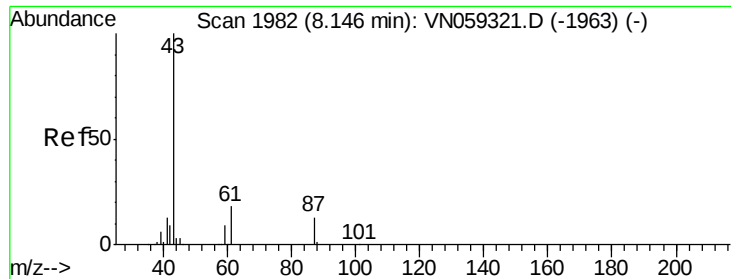
#42
1,2-Dichloroethane
Concen: 49.052 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





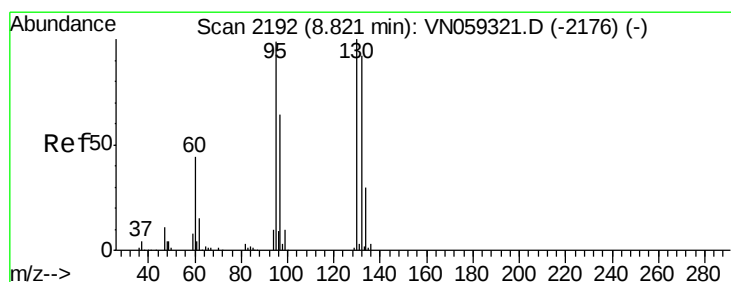
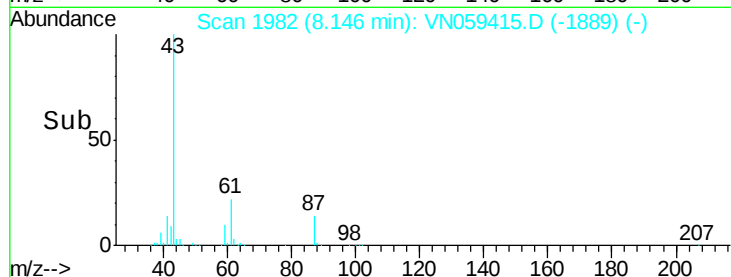
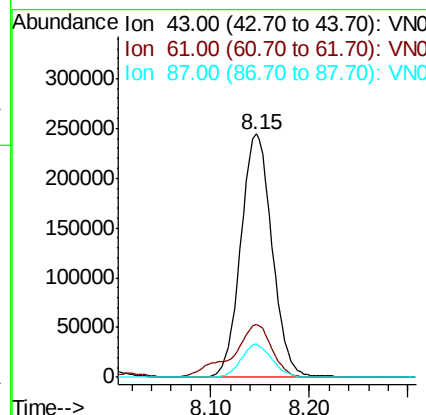
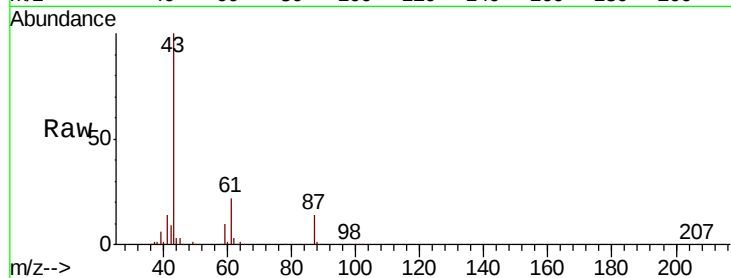
#43
Isopropyl Acetate
Concen: 51.243 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.5	21.7	32.5
87	13.4	10.2	15.4

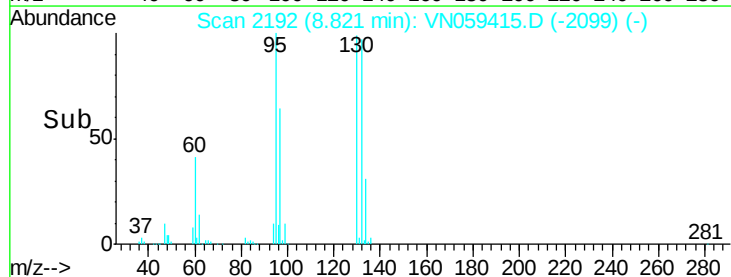
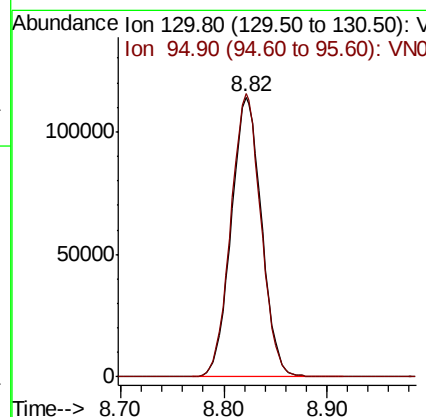
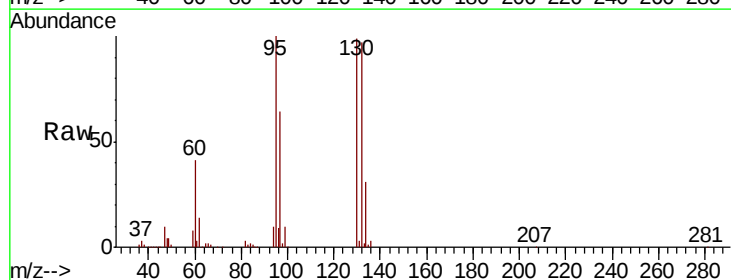
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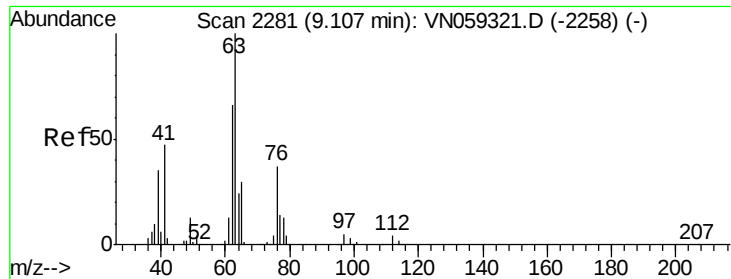
apatel
11/27/2019 11:26:50 AM



#44
Trichloroethene
Concen: 49.290 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	198.4





#45

1,2-Dichloropropane

Concen: 50.150 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 249911

Ion Ratio Lower Upper

63 100

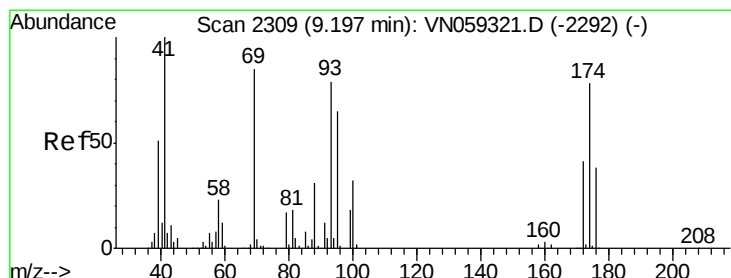
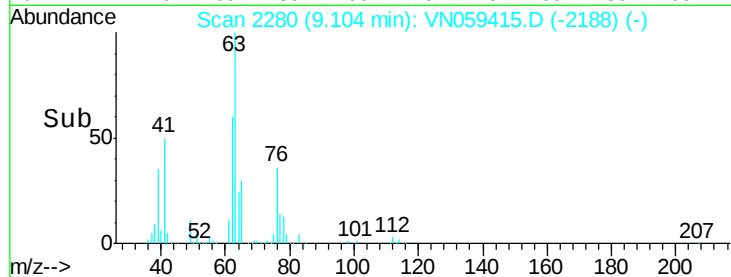
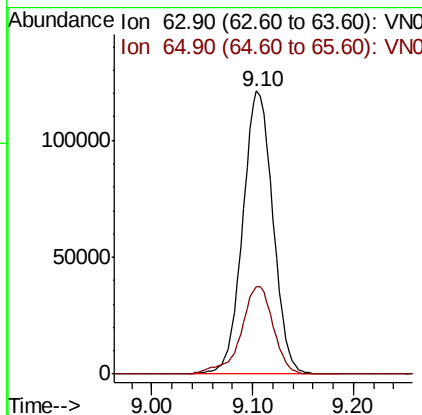
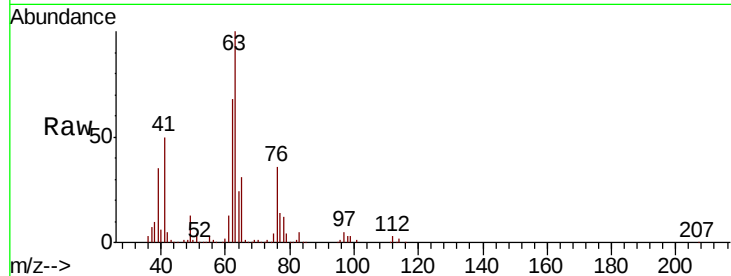
65 30.9 23.9 35.9

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#46

Dibromomethane

Concen: 51.264 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

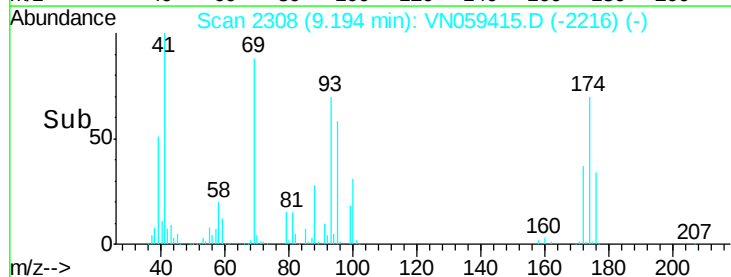
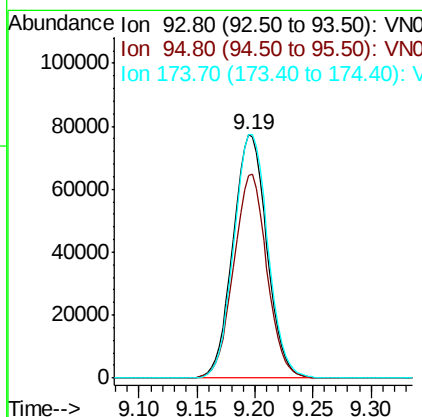
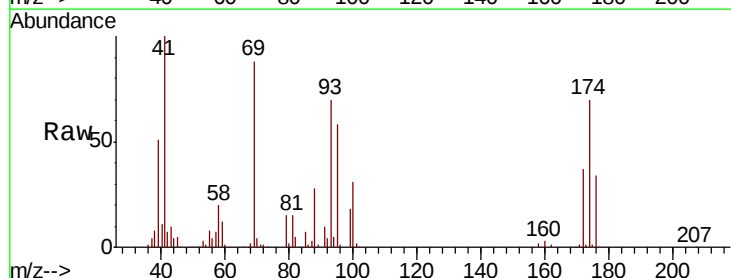
Tgt Ion: 93 Resp: 156694

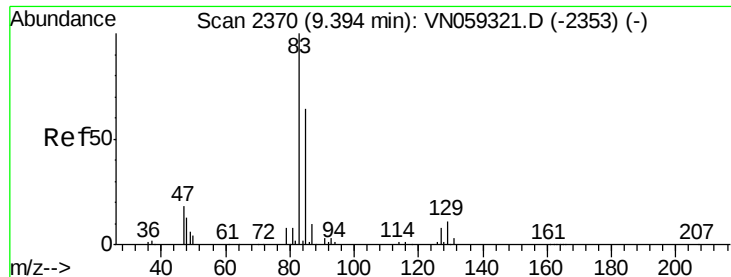
Ion Ratio Lower Upper

93 100

95 82.2 66.9 100.3

174 101.0 80.6 120.8





#47

Bromodichloromethane

Concen: 51.330 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

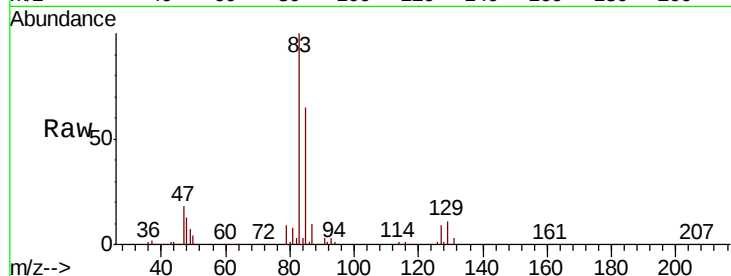
ClientSampleId :

VSTDCCC050EC

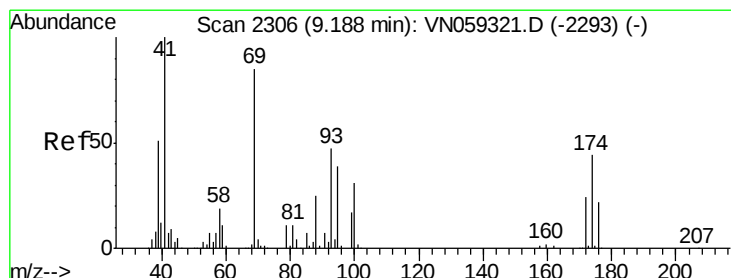
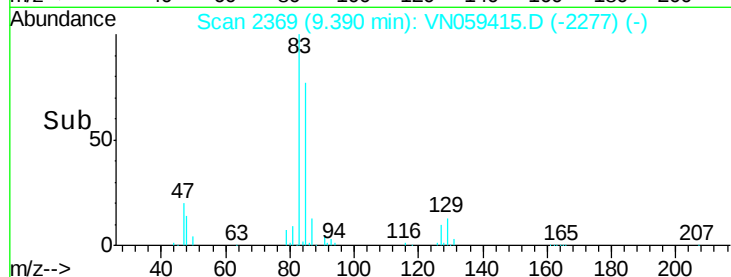
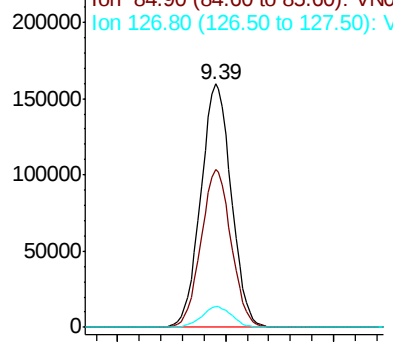
Tot Ion:	83	Resp:	314221
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.5	77.3
127	8.5	6.6	10.0

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Abundance Ion 82.90 (82.60 to 83.60): VN059415.D (-2277) (-)



#48

Methyl methacrylate

Concen: 50.474 ug/l

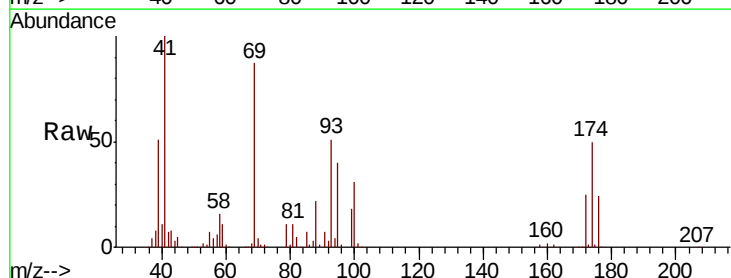
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

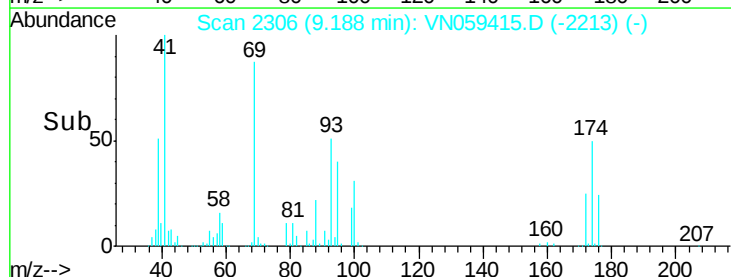
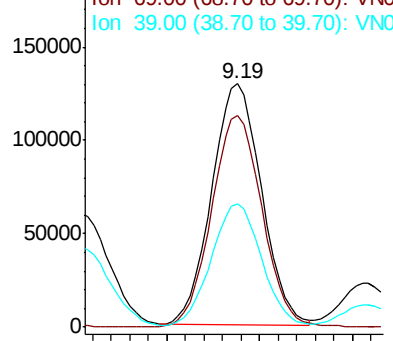
Lab File: VN059415.D

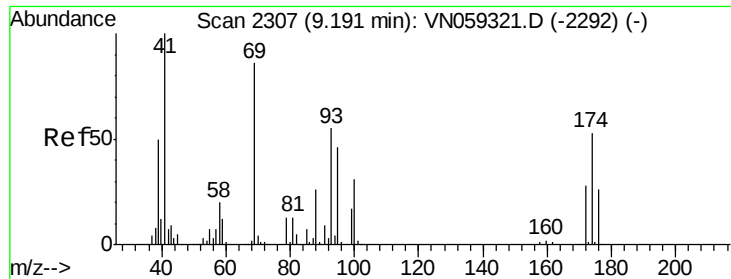
Acq: 26 Nov 2019 18:25

Tgt Ion:	41	Resp:	240042
Ion Ratio	Lower	Upper	
41	100		
69	89.5	68.8	103.2
39	52.1	42.1	63.1



Abundance Ion 41.00 (40.70 to 41.70): VN059415.D (-2213) (-)





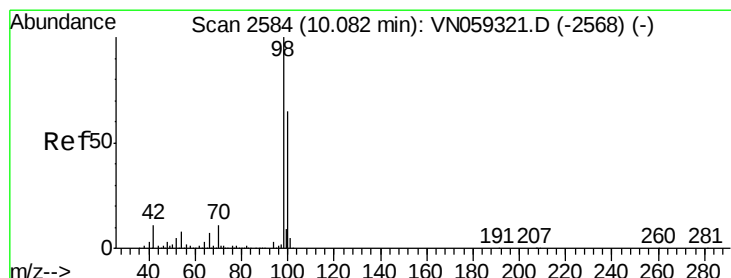
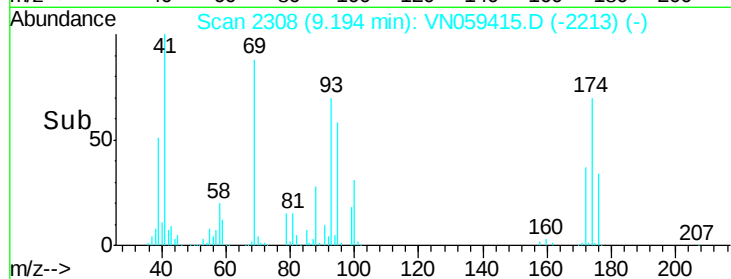
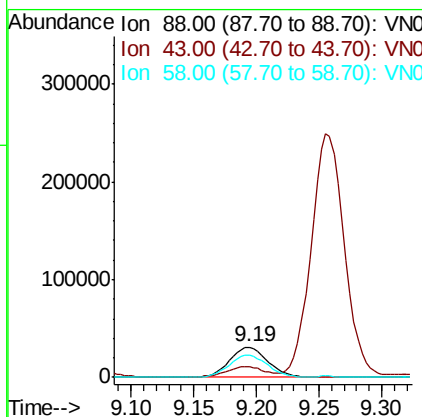
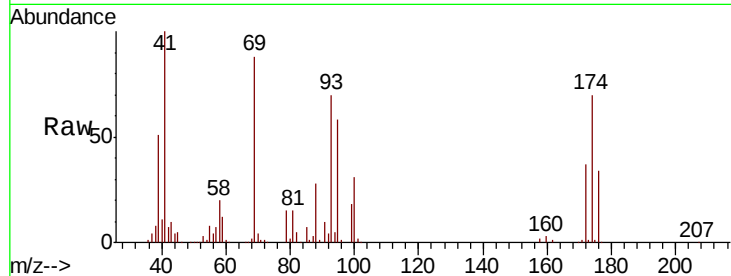
#49
1,4-Dioxane
Concen: 920.105 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.5	26.9	40.3
58	72.8	59.2	88.8

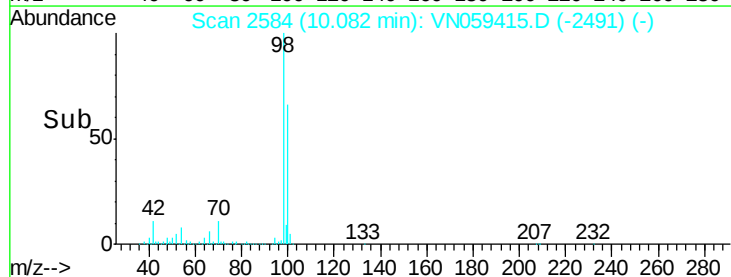
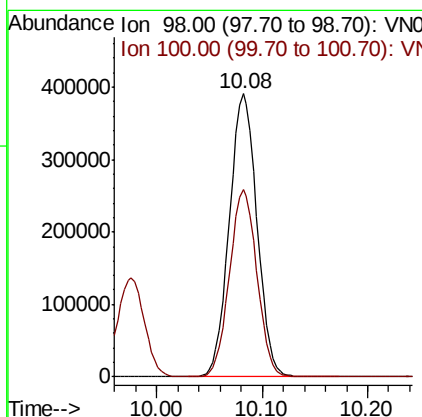
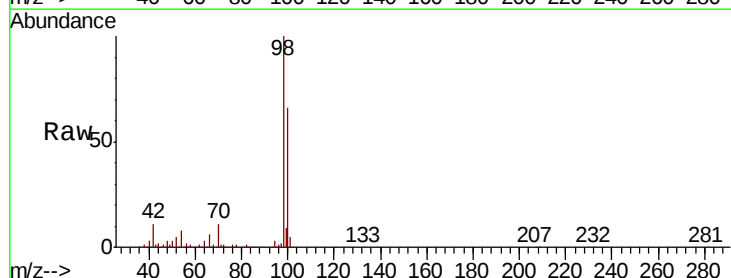
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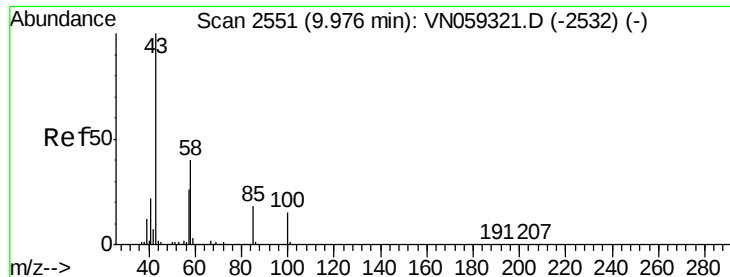
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#50
Toluene-d8
Concen: 48.224 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 271.681 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1663059

Ion Ratio Lower Upper

43 100

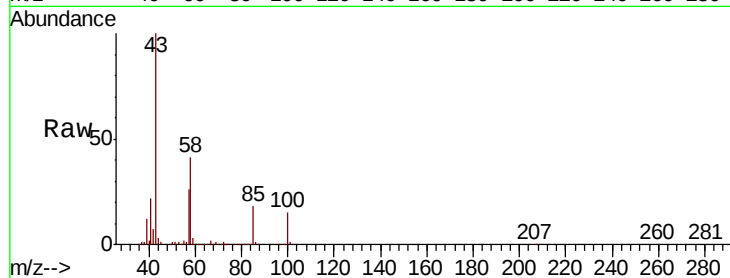
58 40.7 31.8 47.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1000000

800000

600000

400000

200000

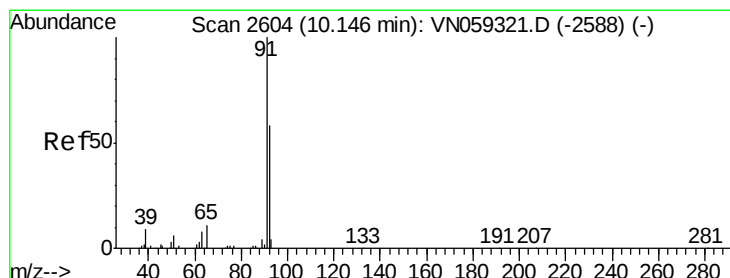
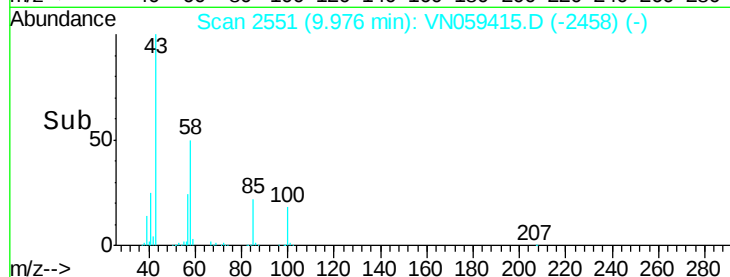
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 50.357 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059415.D

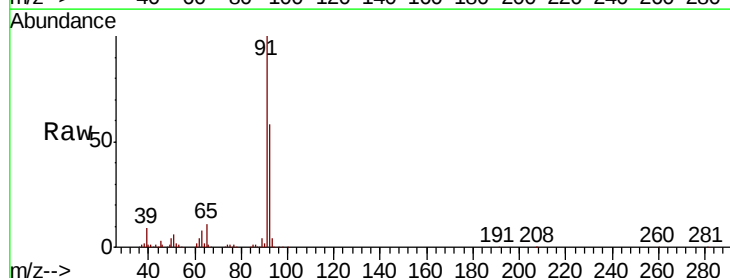
Acq: 26 Nov 2019 18:25

Tgt Ion: 92 Resp: 565855

Ion Ratio Lower Upper

92 100

91 171.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

600000

500000

400000

300000

200000

100000

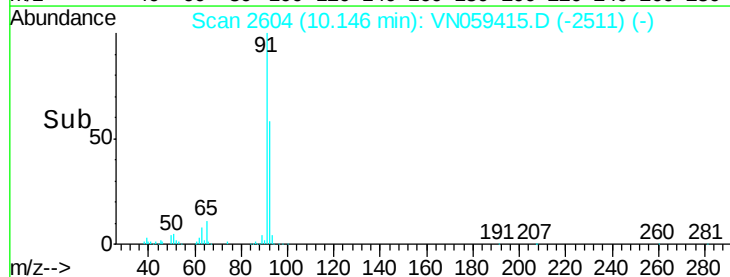
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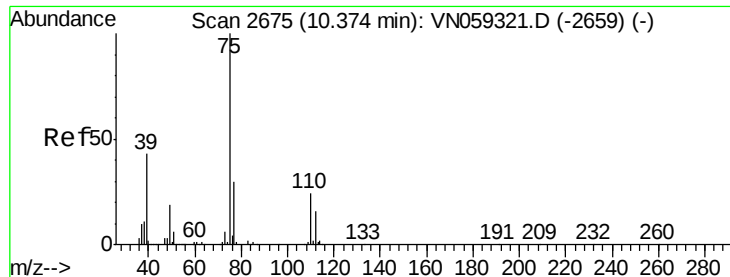
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.548 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 359706

Ion Ratio Lower Upper

75 100

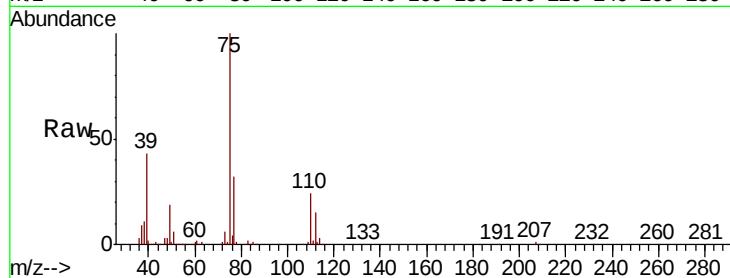
77 31.7 25.5 38.3

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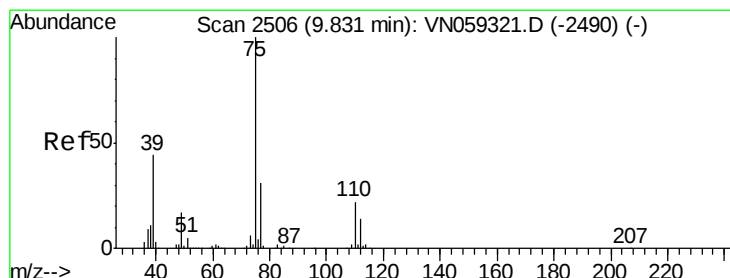
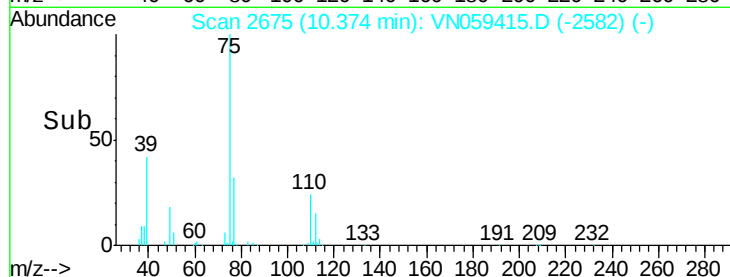
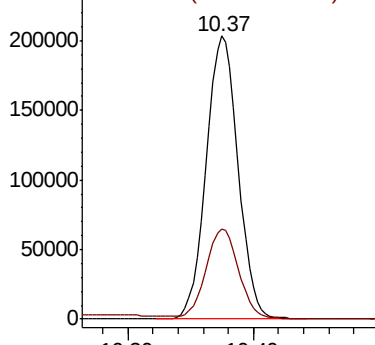
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 51.310 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

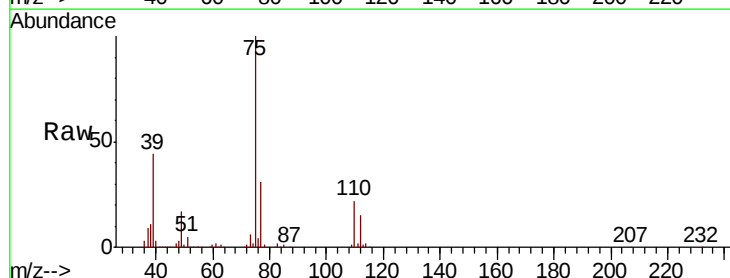
Tgt Ion: 75 Resp: 396208

Ion Ratio Lower Upper

75 100

77 31.1 25.0 37.4

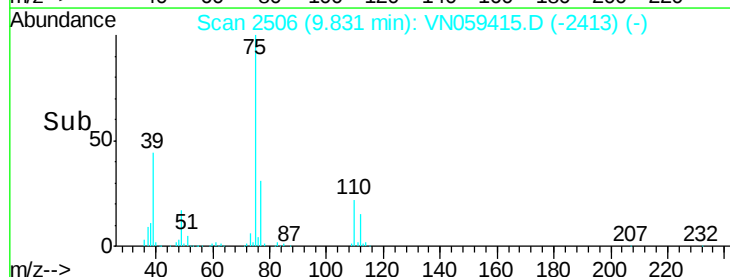
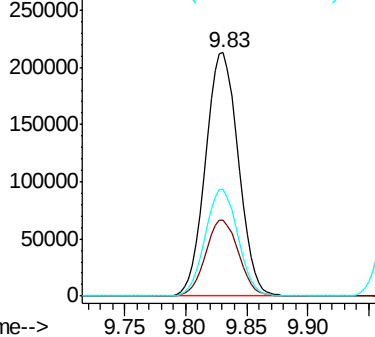
39 43.6 35.5 53.3

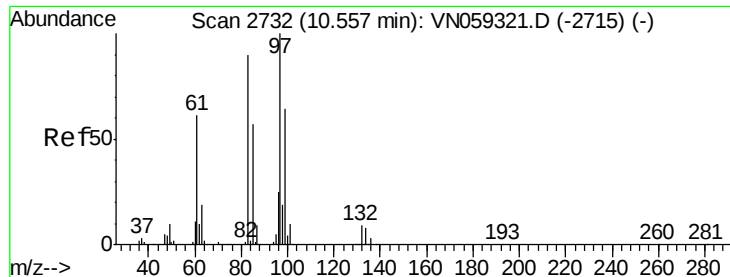


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





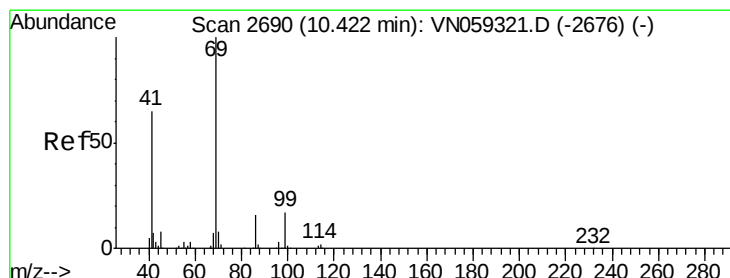
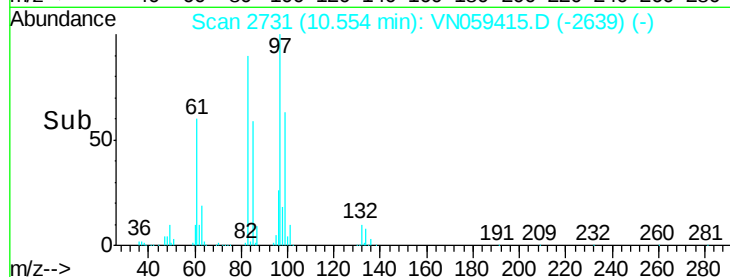
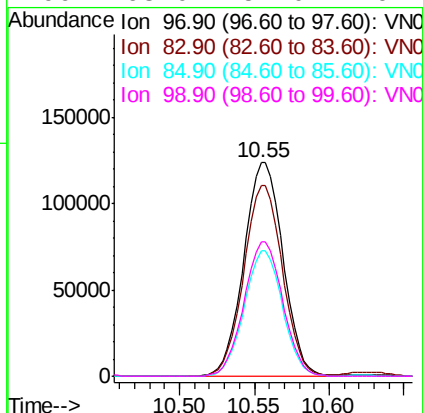
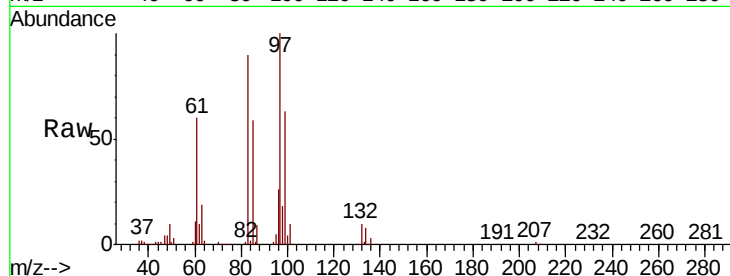
#55
 1,1,2-Trichloroethane
 Concen: 51.692 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		225839		
83	89.6	72.0	108.0		
85	58.5	45.8	68.6		
99	63.0	51.0	76.4		

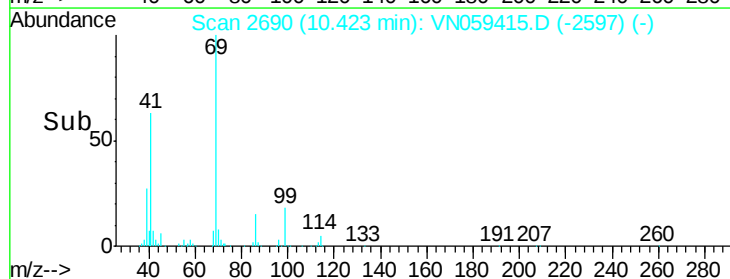
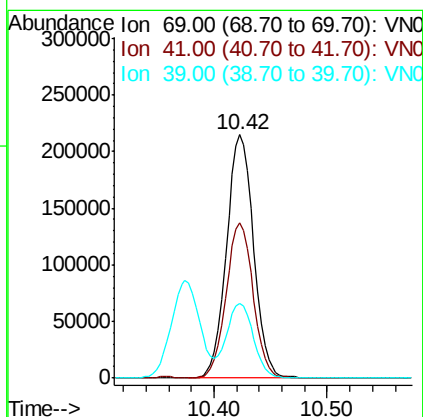
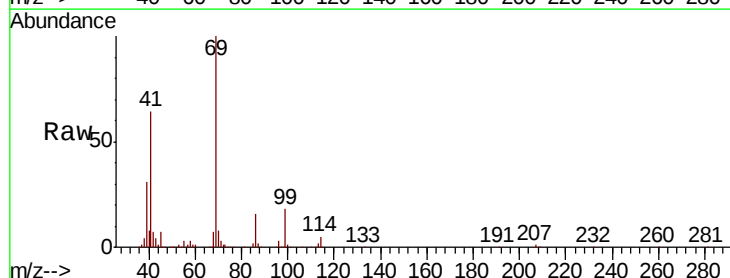
Manual Integrations
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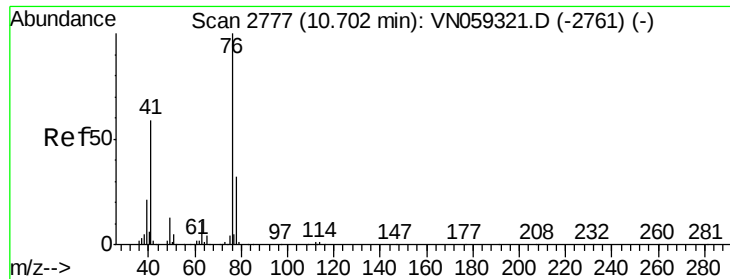
apatel
 11/27/2019 11:26:50 AM



#56
 Ethyl methacrylate
 Concen: 48.543 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		357693		
41	63.1	51.7	77.5		
39	30.6	25.2	37.8		





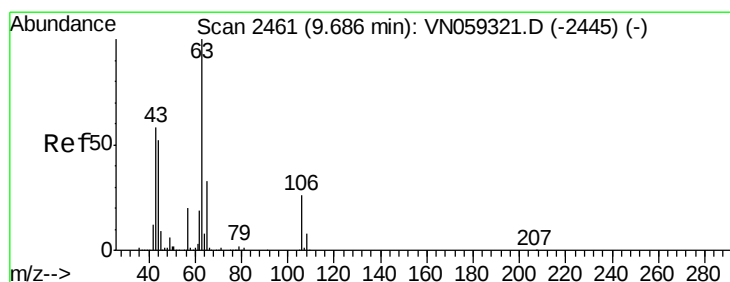
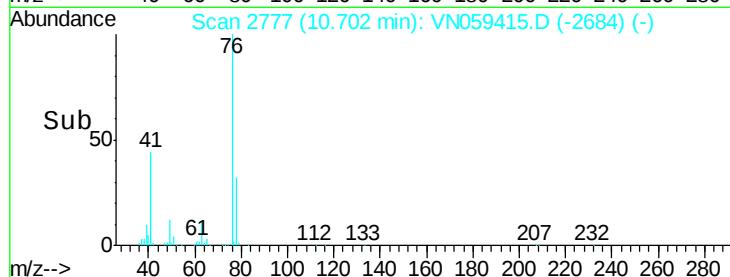
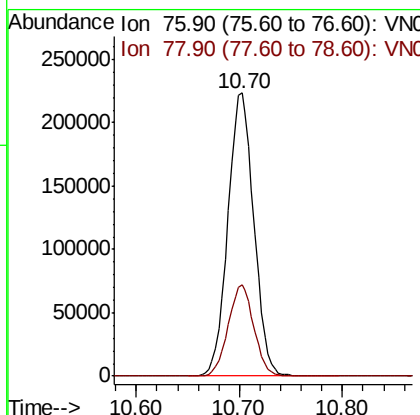
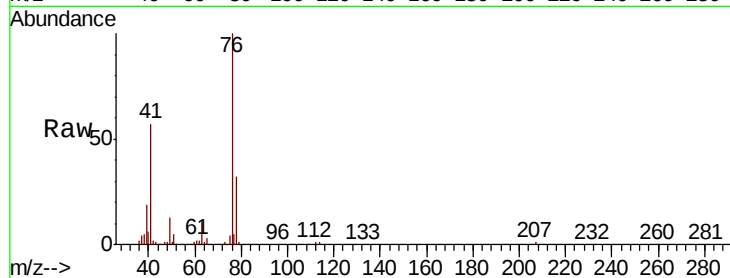
#57
 1,3-Dichloropropane
 Concen: 51.479 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

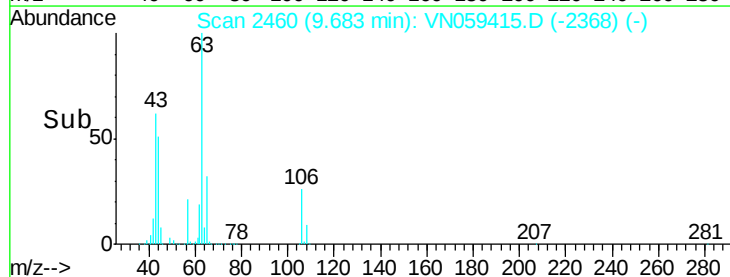
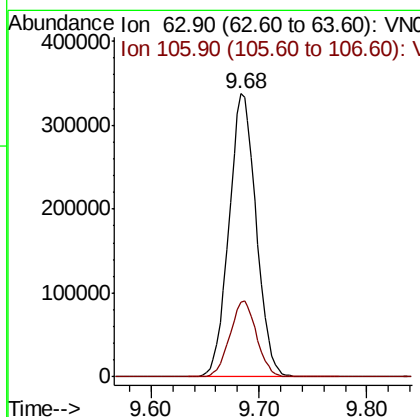
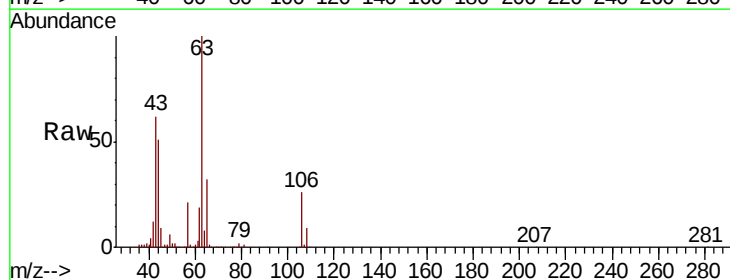
Manual Integrations
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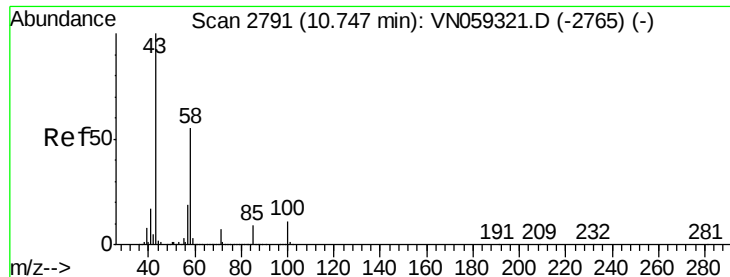
apatel
 11/27/2019 11:26:50 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 222.000 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	20.5	30.7





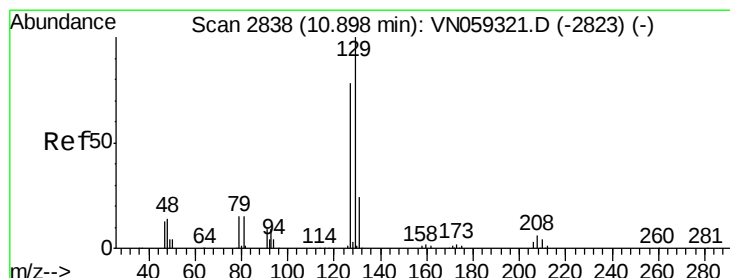
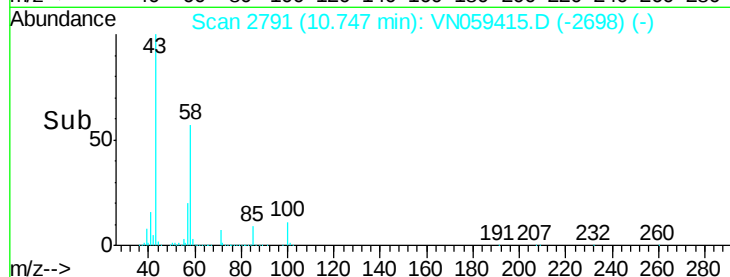
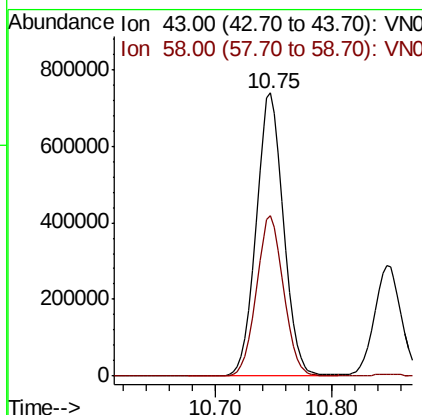
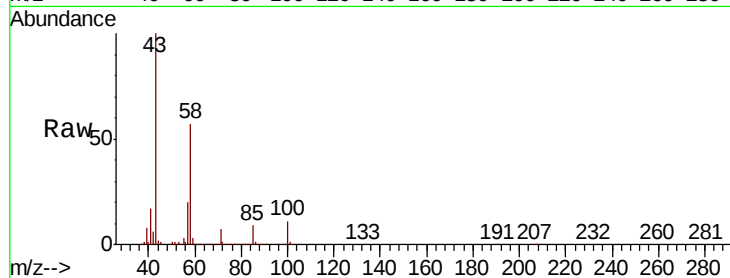
#59
2-Hexanone
Concen: 270.721 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1213459
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0

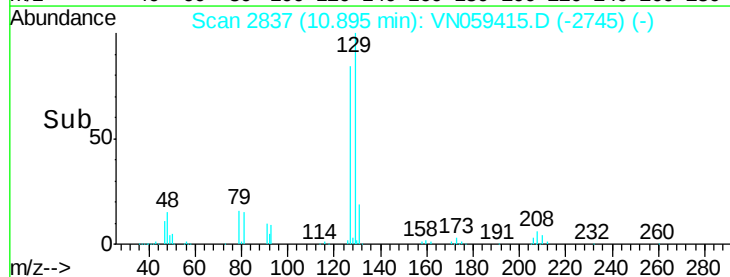
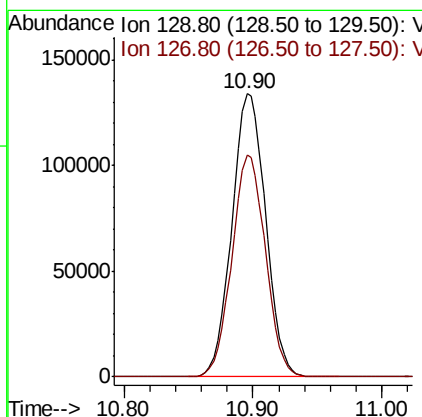
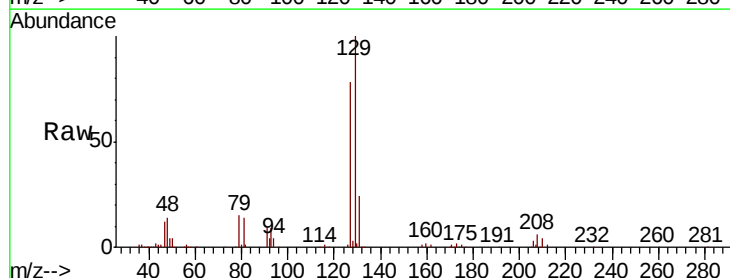
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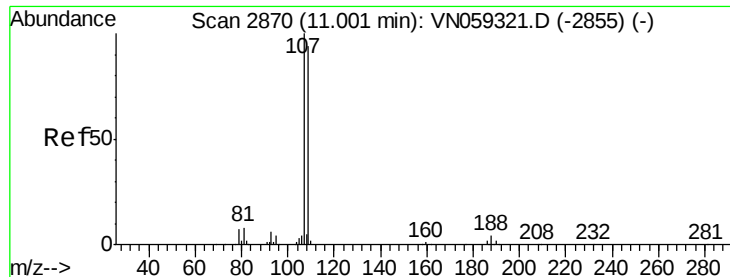
apatel
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#60
Dibromochloromethane
Concen: 52.810 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 129 Resp: 243132
Ion Ratio Lower Upper
129 100
127 78.0 38.5 115.5





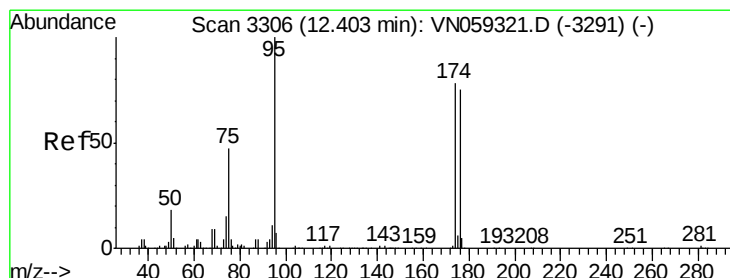
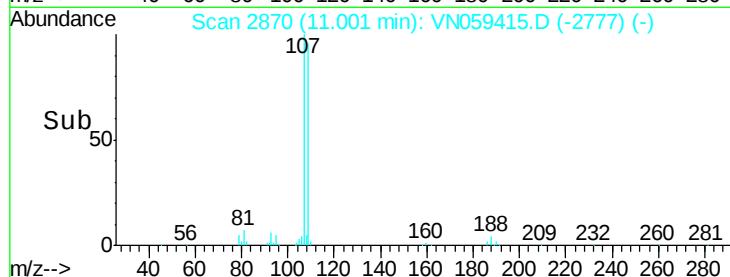
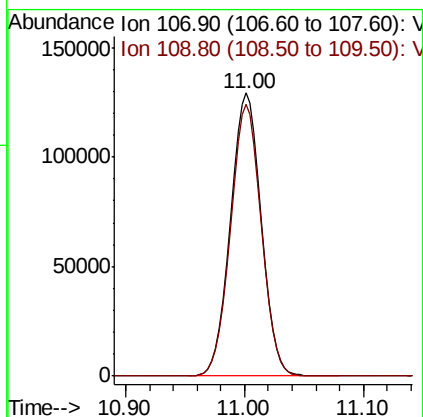
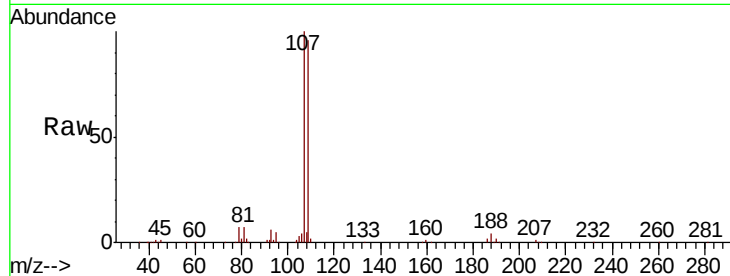
#61
 1,2-Dibromoethane
 Concen: 50.884 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2

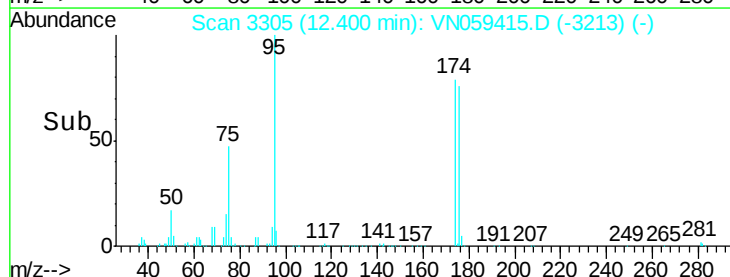
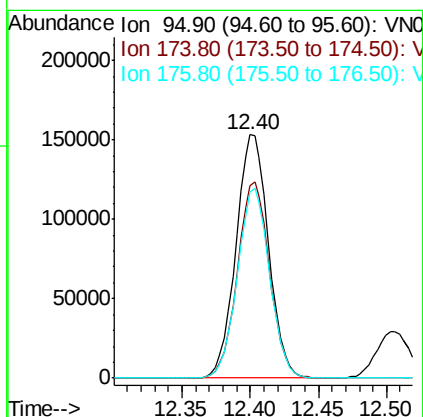
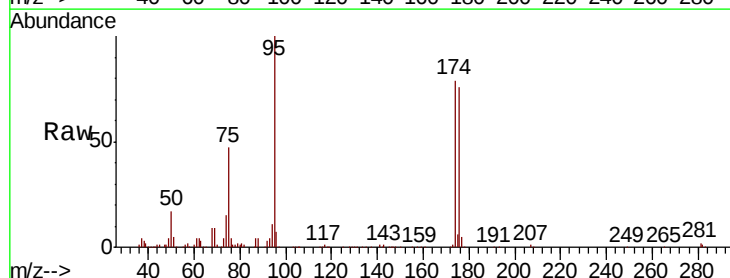
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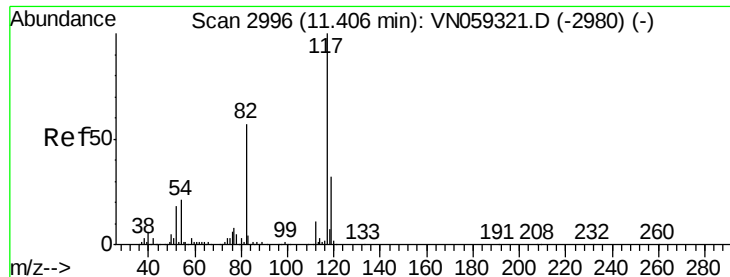
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#62
 4-Bromofluorobenzene
 Concen: 49.269 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	157.4
176	77.2	0.0	151.2





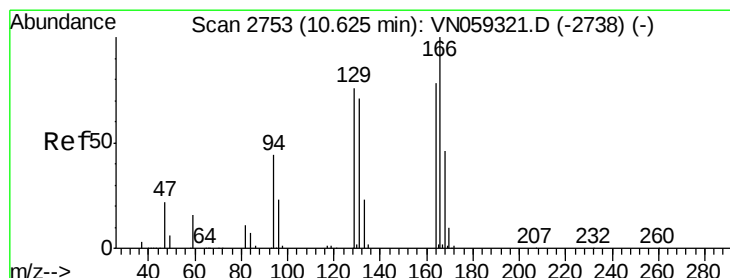
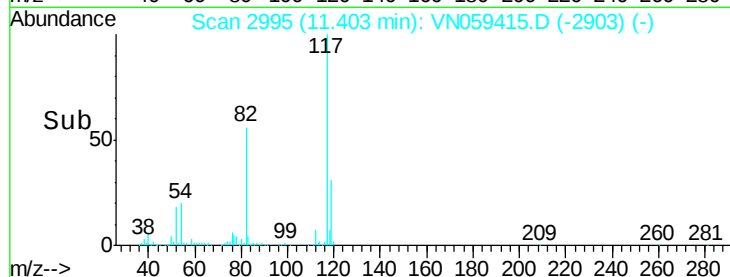
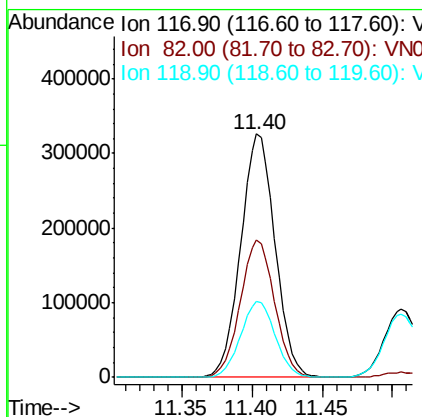
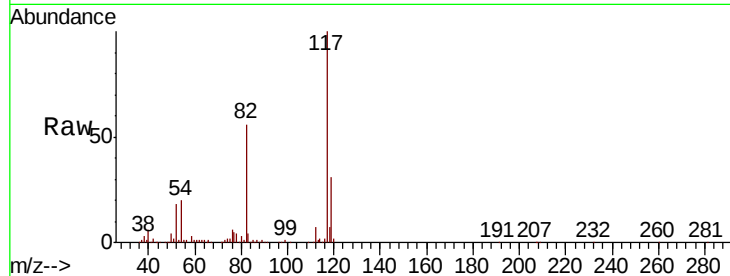
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.7	68.5
119	31.1	25.8	38.6

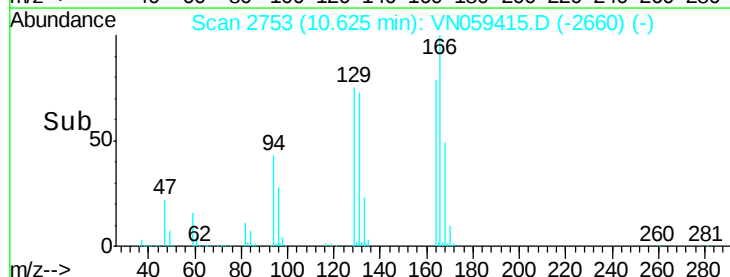
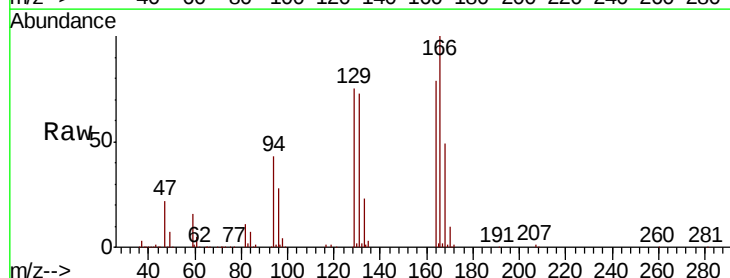
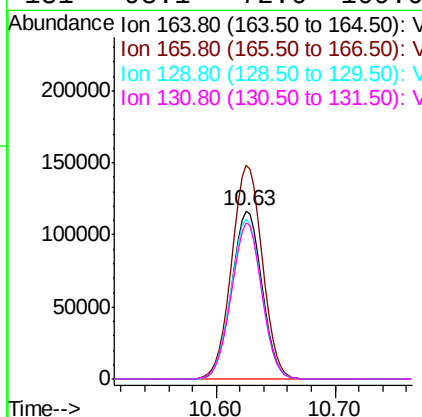
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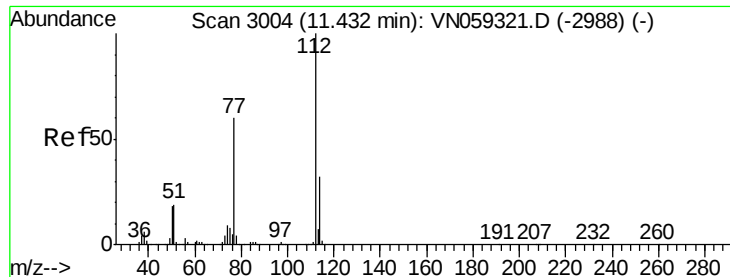
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#64
Tetrachloroethene
Concen: 47.837 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	102.9	154.3
129	95.6	78.2	117.2
131	93.1	72.6	109.0





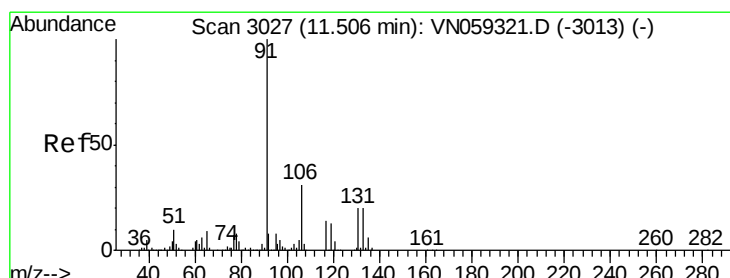
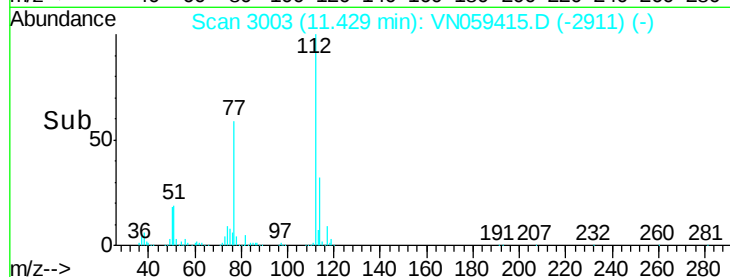
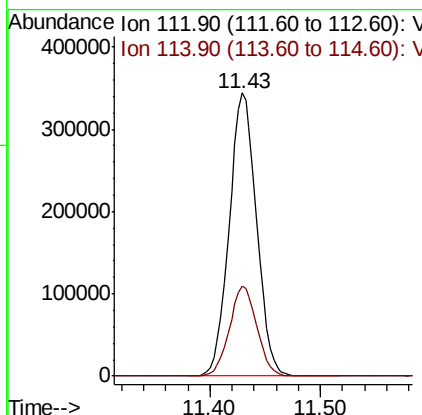
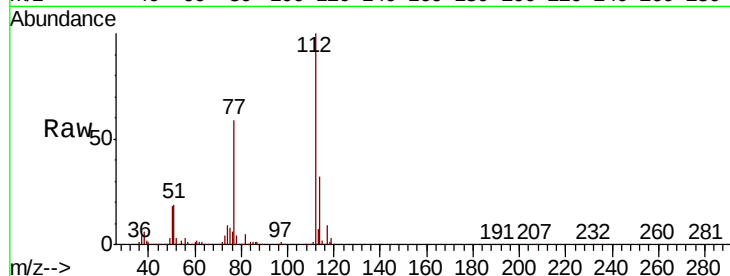
#65
Chlorobenzene
Concen: 49.283 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 589295
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.6

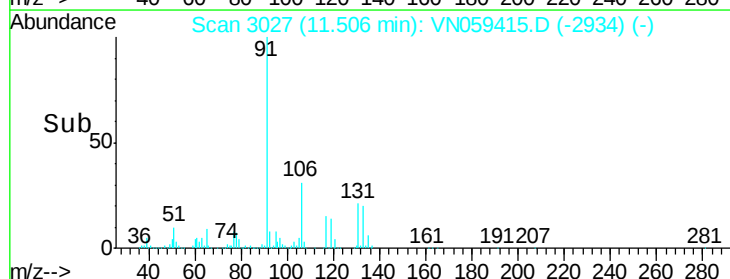
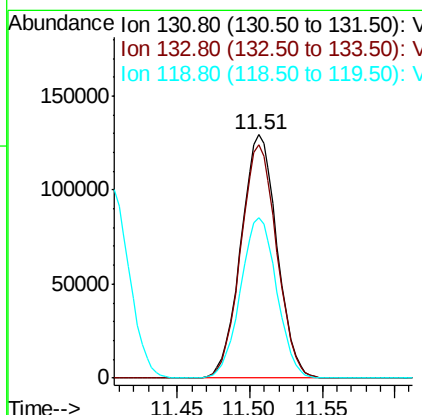
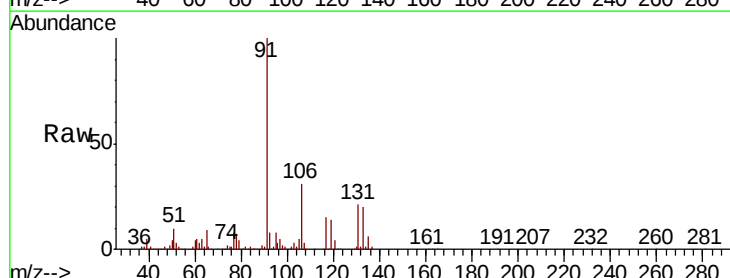
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.662 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion:131 Resp: 224419
Ion Ratio Lower Upper
131 100
133 95.7 48.2 144.6
119 66.1 33.6 100.6





#67

Ethyl Benzene

Concen: 50.016 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1067844

Ion Ratio Lower Upper

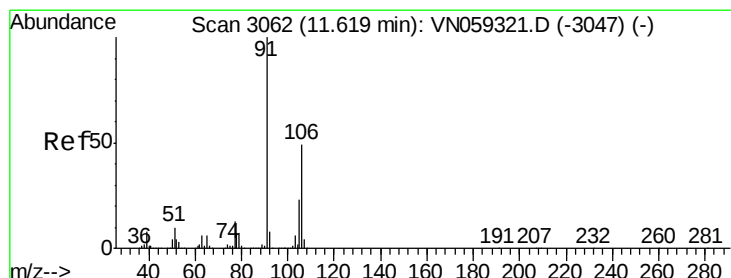
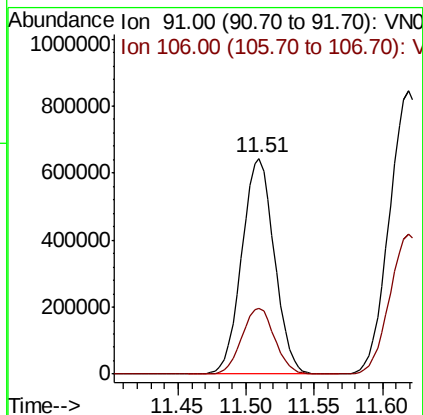
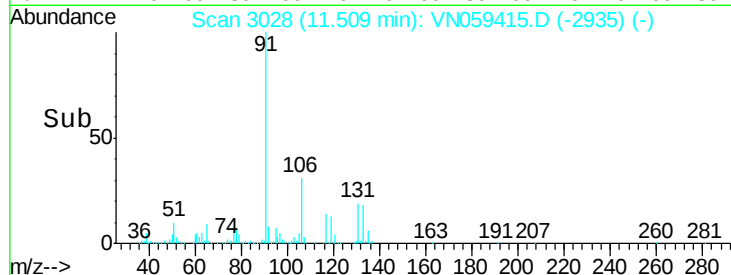
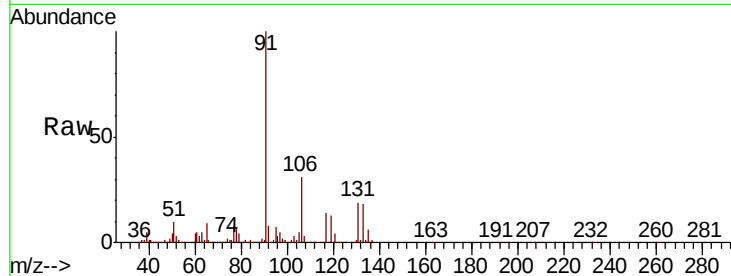
91 100

106 30.8 24.6 37.0

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#68

m/p-Xylenes

Concen: 100.566 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059415.D

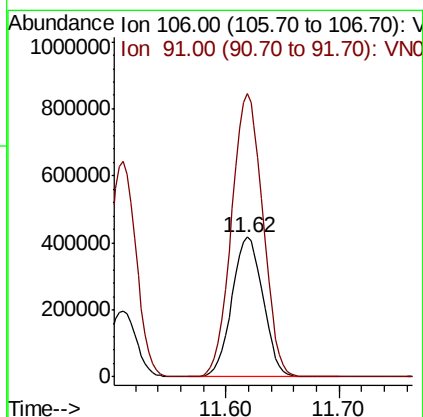
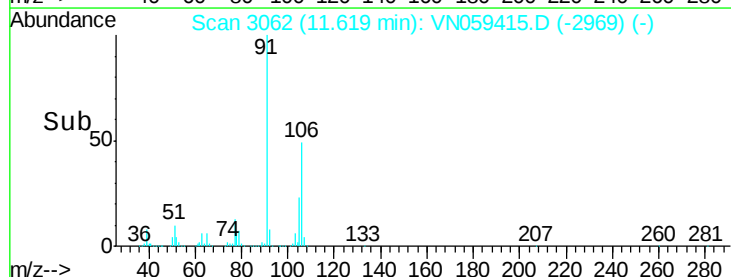
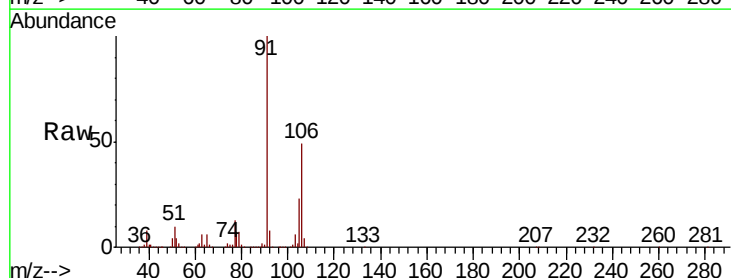
Acq: 26 Nov 2019 18:25

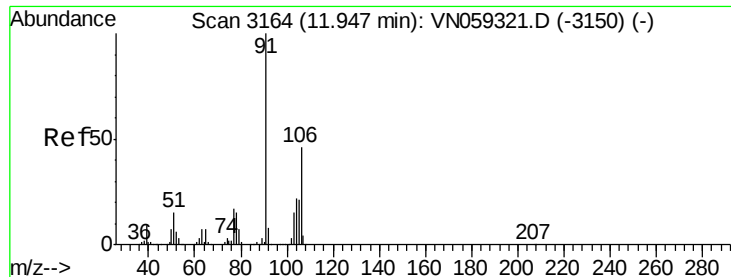
Tgt Ion: 106 Resp: 797817

Ion Ratio Lower Upper

106 100

91 203.6 163.2 244.8





#69

o-Xylene

Concen: 49.909 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 379052

Ion Ratio Lower Upper

106 100

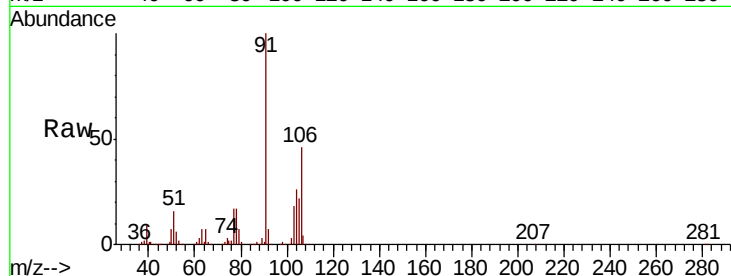
91 217.1 109.3 327.9

Manual Integrations

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

500000

400000

300000

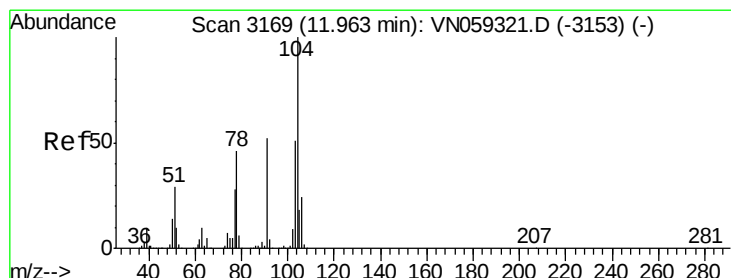
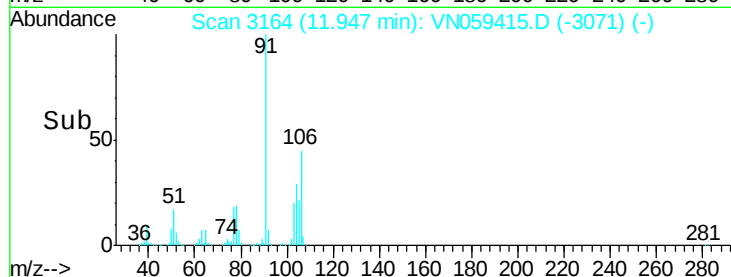
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 52.169 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

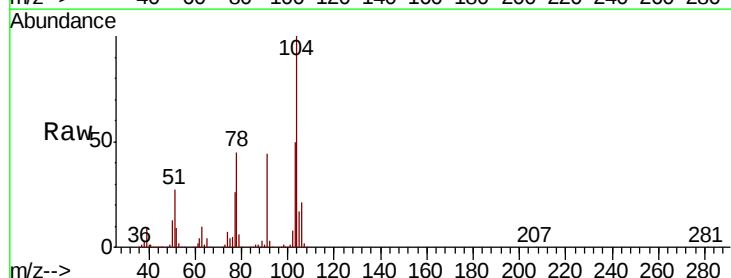
Tgt Ion:104 Resp: 625199

Ion Ratio Lower Upper

104 100

78 50.5 40.3 60.5

103 55.5 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

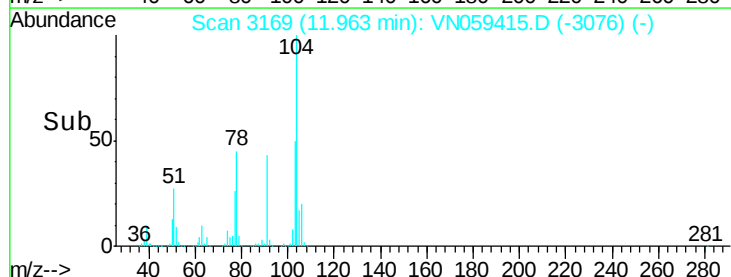
200000

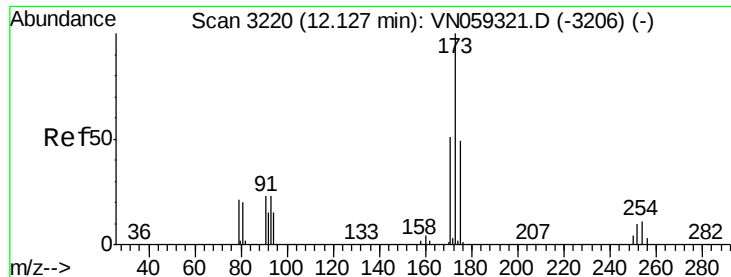
100000

0

11.90 11.95 12.00

Time-->





#71

Bromoform

Concen: 54.742 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

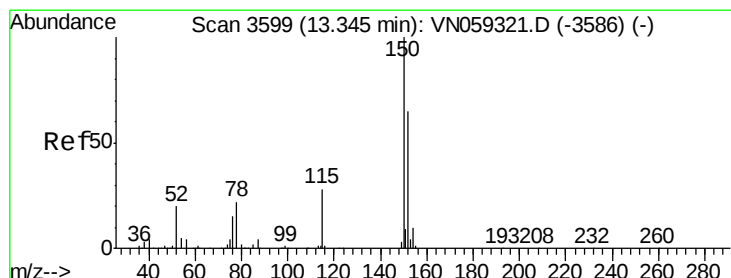
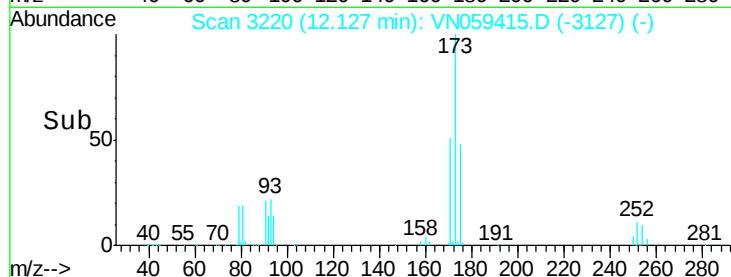
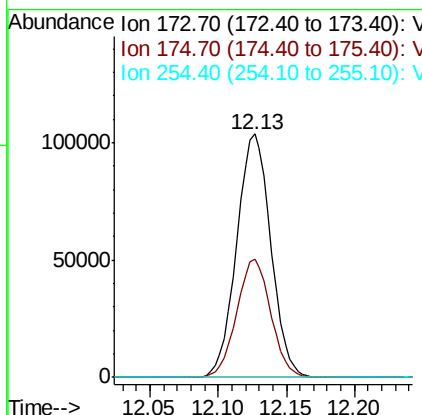
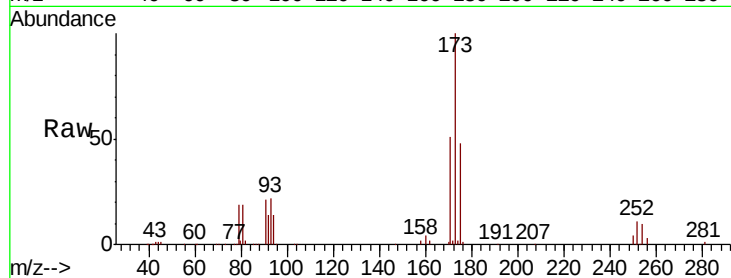
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	180091
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.6	73.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

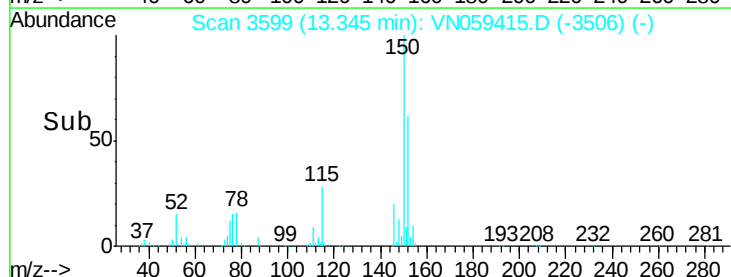
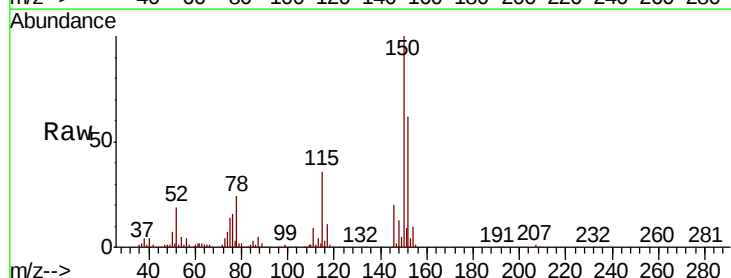
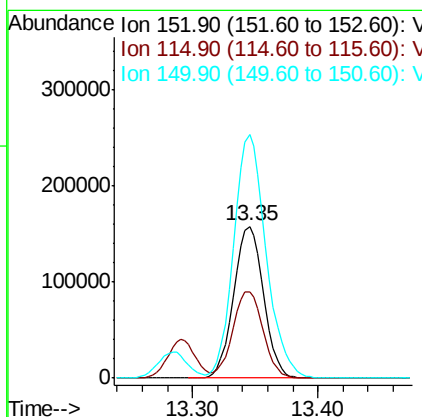
RT: 13.35 min Scan# 3599

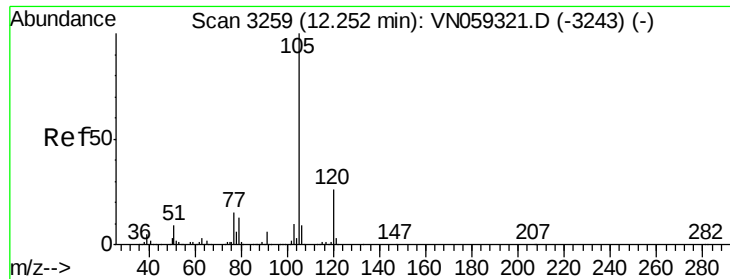
Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	152	Resp:	260987
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.3	88.0
150	173.6	0.0	346.0





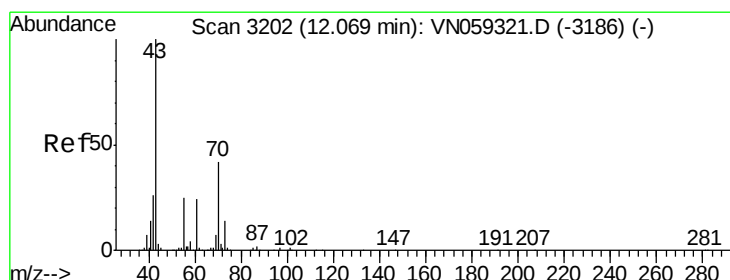
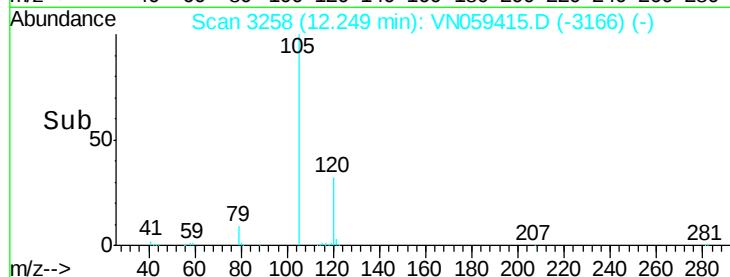
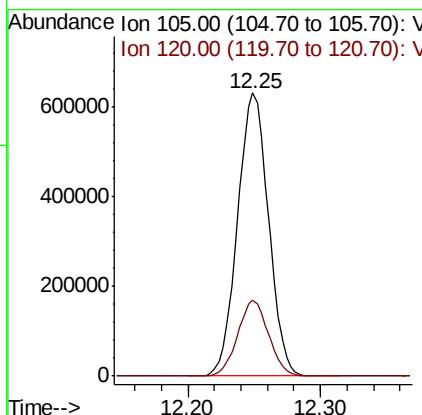
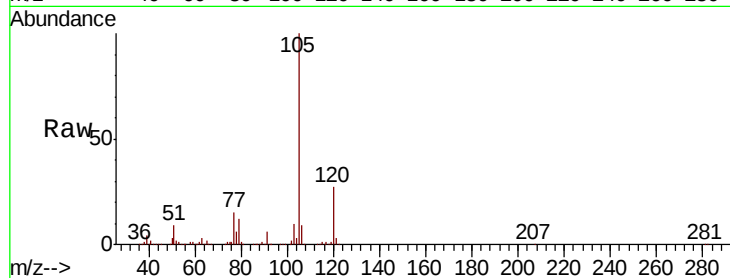
#73
Isopropylbenzene
Concen: 47.787 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1021674
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.3

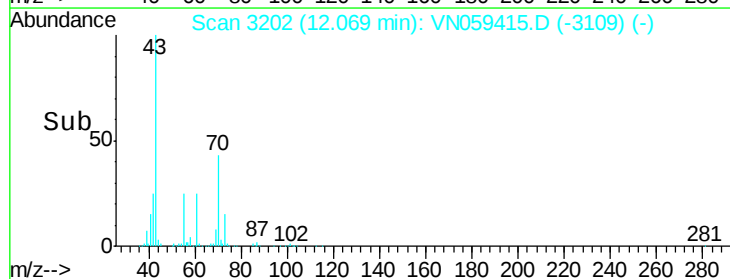
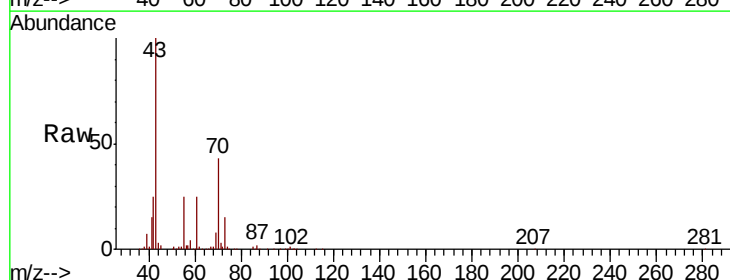
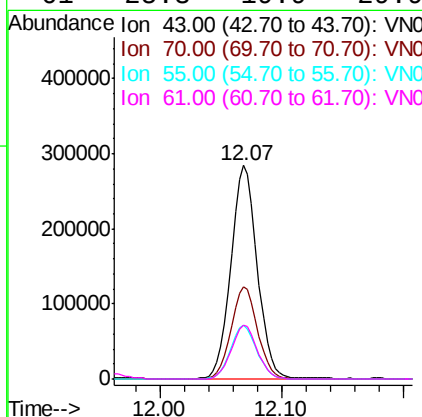
Manual Integrations
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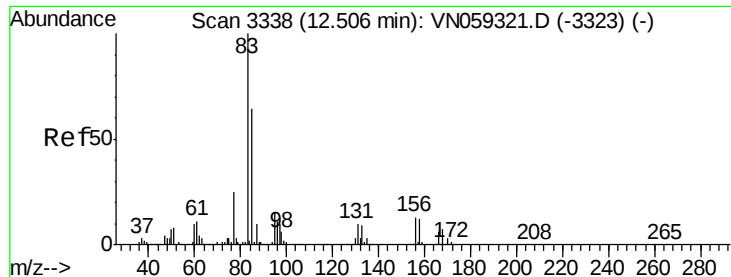
apatel
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#74
N-ethyl acetate
Concen: 49.476 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion: 43 Resp: 425113
Ion Ratio Lower Upper
43 100
70 43.6 33.8 50.6
55 25.4 20.3 30.5
61 25.3 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 48.164 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

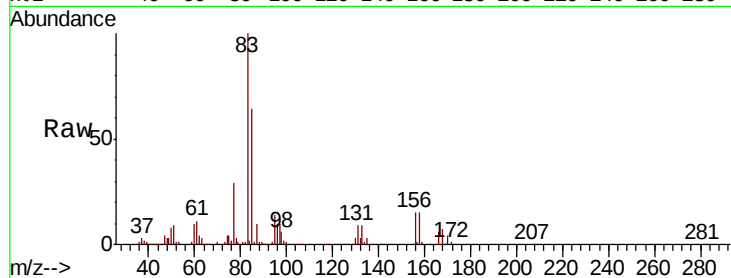
ClientSampleId :

VSTDCCC050EC

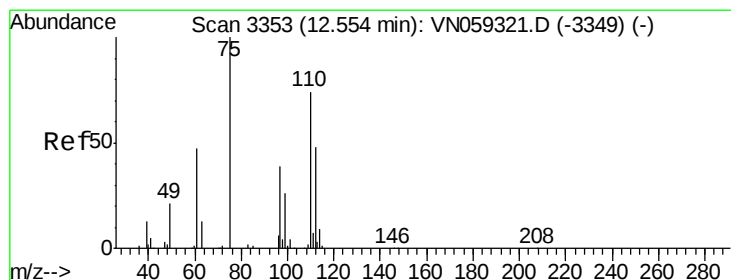
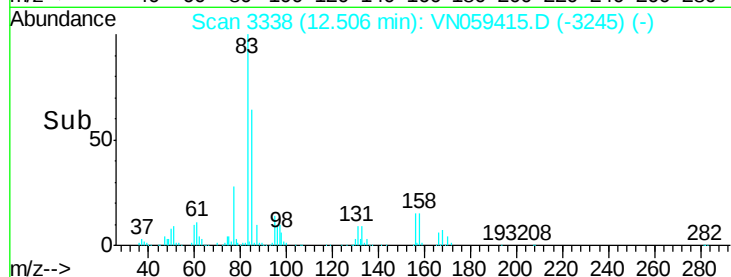
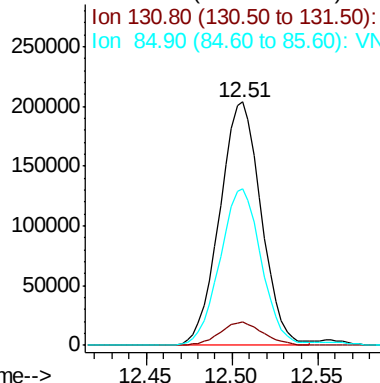
Tot Ion:	83	Resp:	340633
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	14.9
85	64.1	32.1	96.3

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Abundance Ion 82.90 (82.60 to 83.60): VN059415.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 50.327 ug/l m

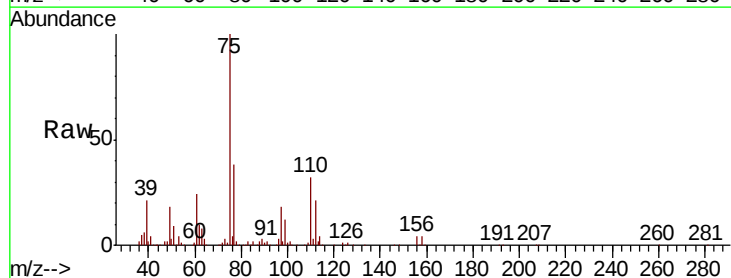
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

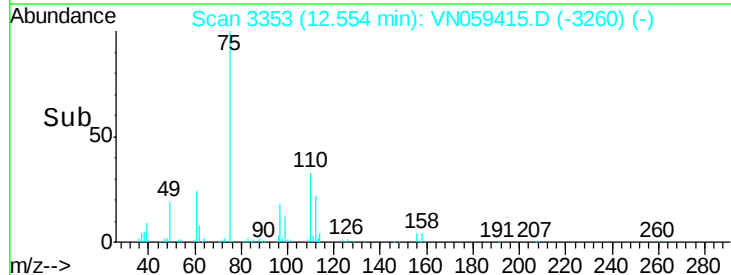
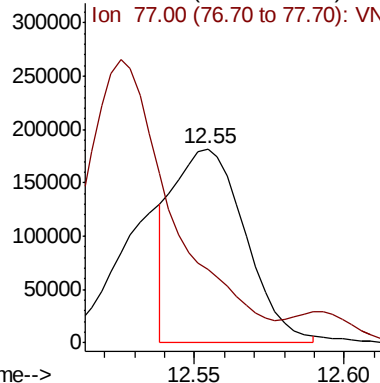
Lab File: VN059415.D

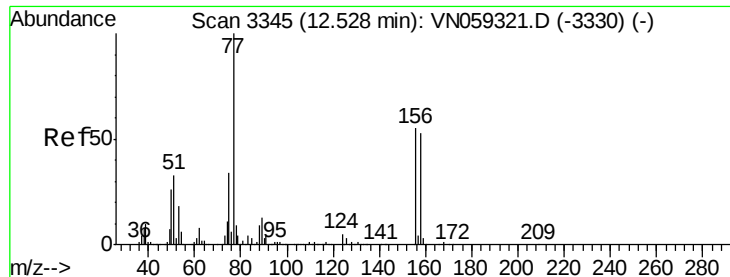
Acq: 26 Nov 2019 18:25

Tgt Ion:	75	Resp:	303446
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059415.D (-3260) (-)





#77

Bromobenzene

Concen: 47.606 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

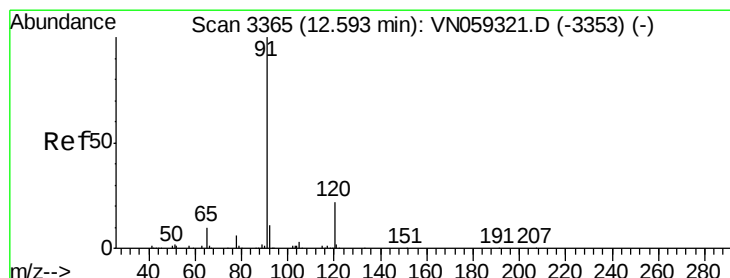
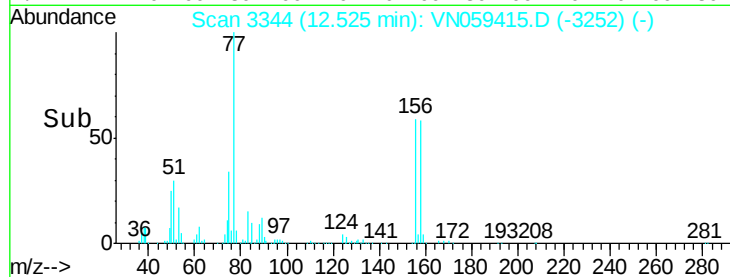
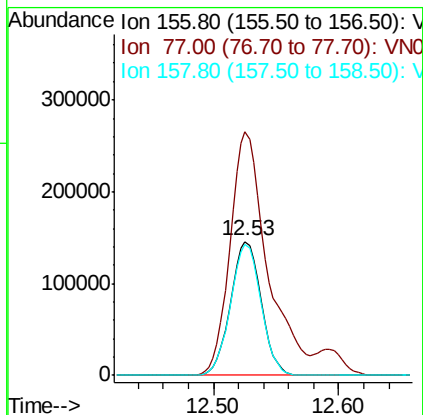
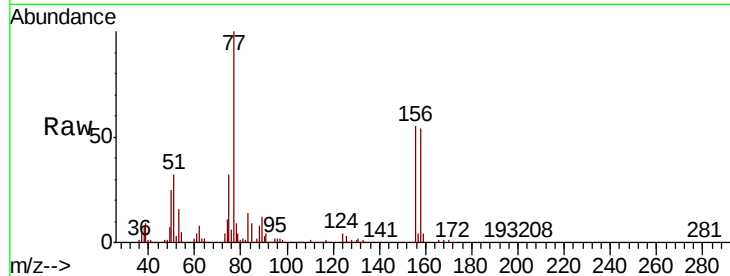
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	246870
Ion Ratio	Lower	Upper	
156	100		
77	221.7	111.1	333.4
158	97.7	47.8	143.4

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#78

n-propylbenzene

Concen: 49.184 ug/l

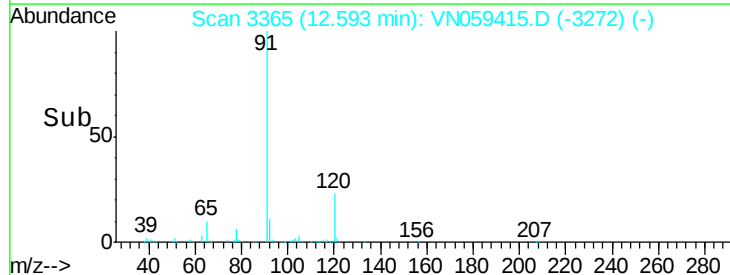
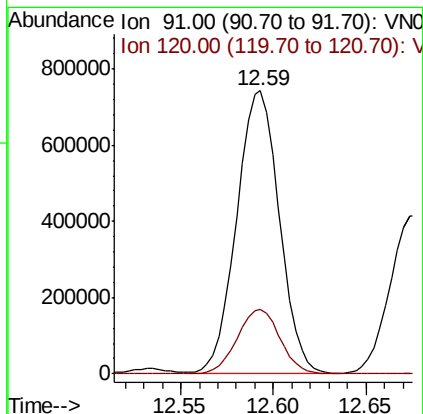
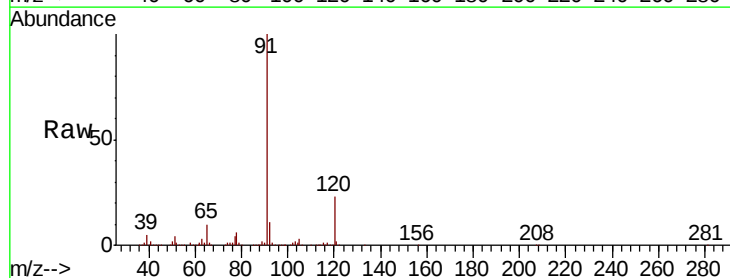
RT: 12.59 min Scan# 3365

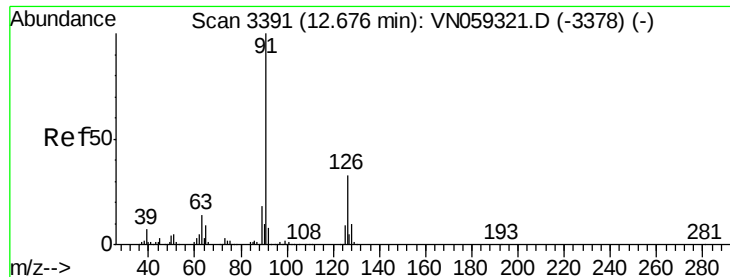
Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	91	Resp:	1191120
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 47.047 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 699345

Ion Ratio Lower Upper

91 100

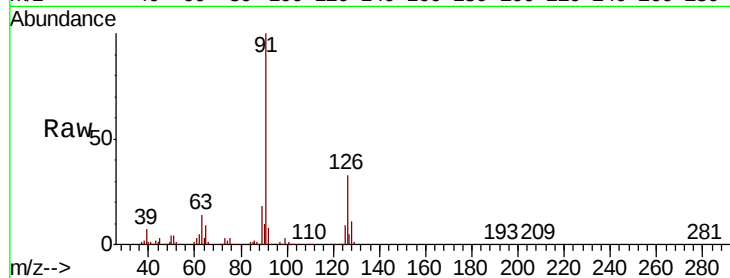
126 33.7 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059415.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN059415.D (-3298) (-)

800000

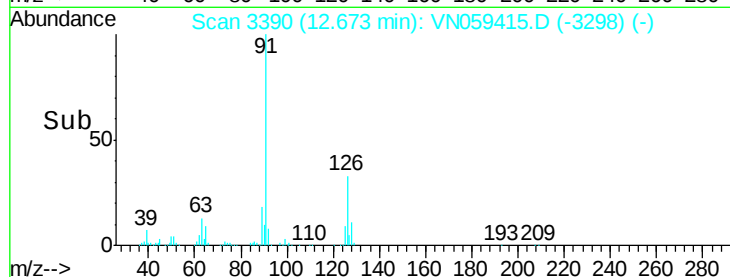
600000

400000

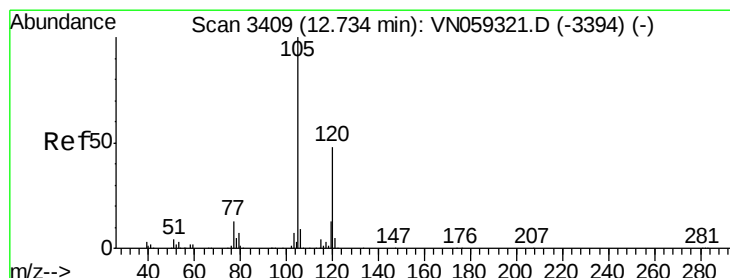
200000

0

12.60 12.65 12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.807 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059415.D

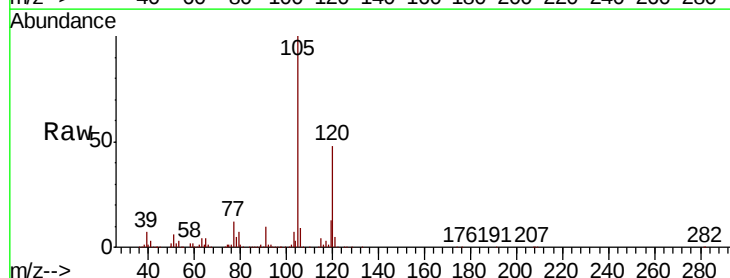
Acq: 26 Nov 2019 18:25

Tgt Ion: 105 Resp: 859214

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059415.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059415.D (-3316) (-)

600000

500000

400000

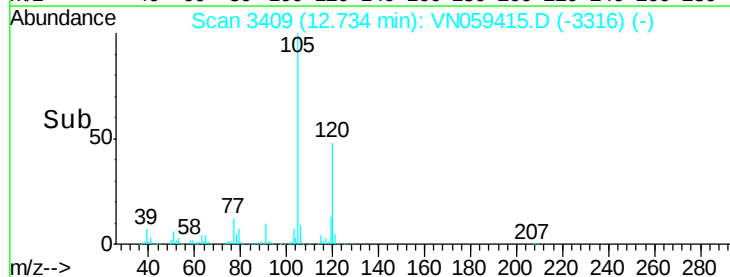
300000

200000

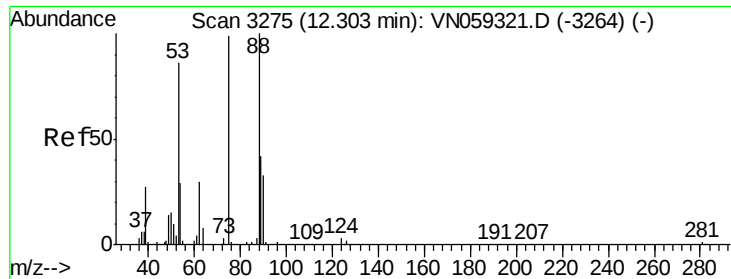
100000

0

12.70 12.80



Time-->



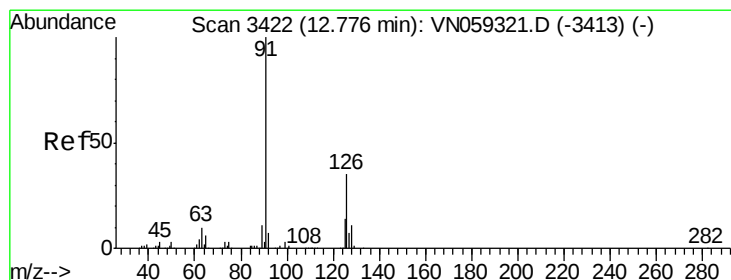
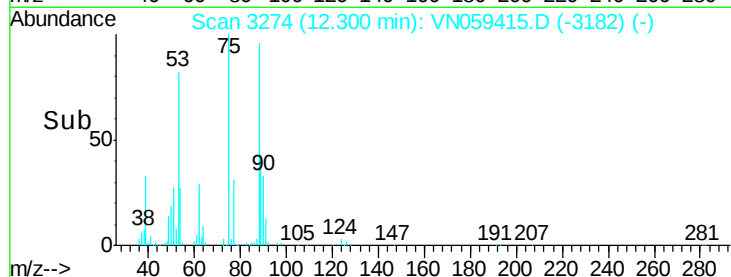
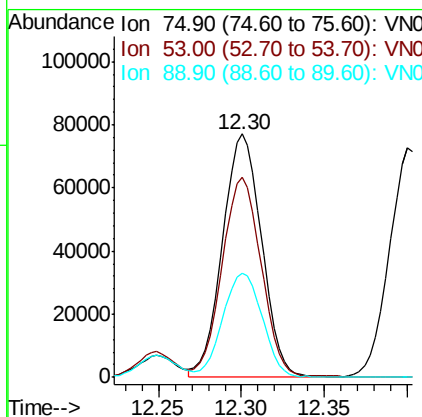
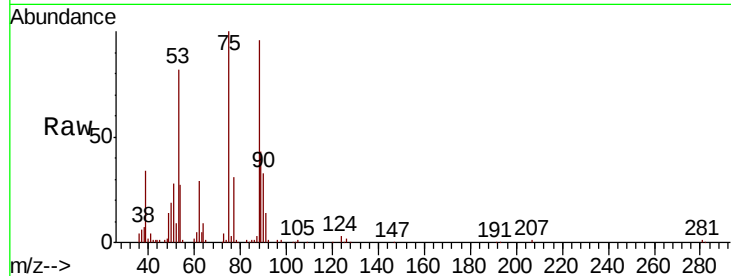
#81
trans-1,4-Dichloro-2-butene
Concen: 52.433 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.8	70.7	106.1
89	43.4	35.4	53.0

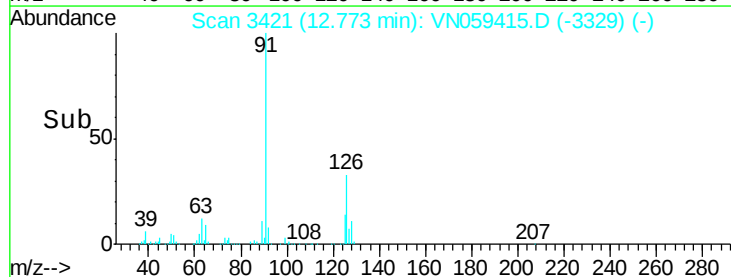
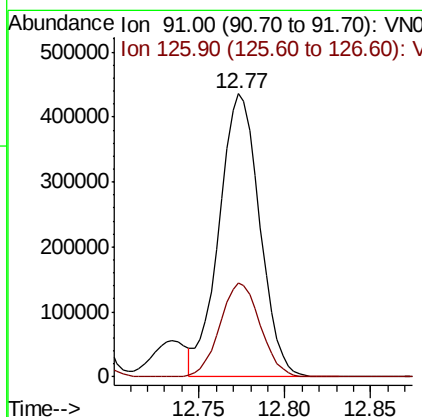
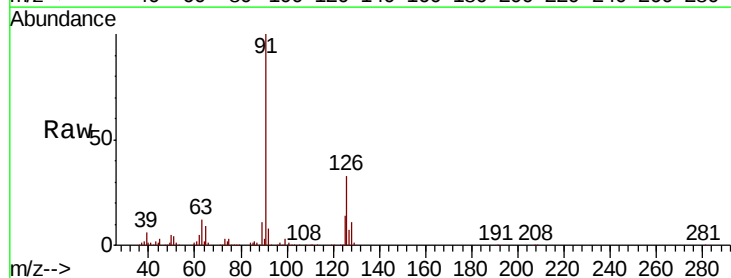
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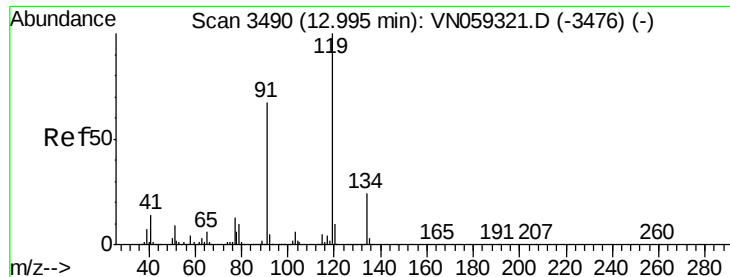
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#82
4-Chlorotoluene
Concen: 46.436 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.2	48.6





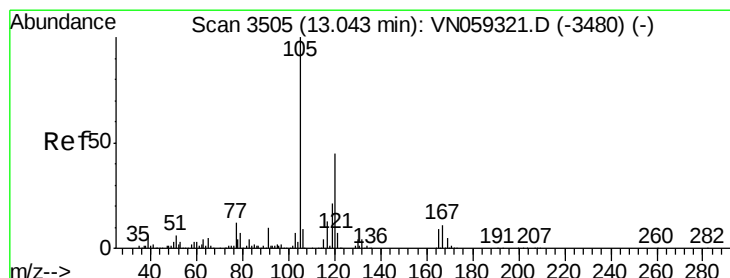
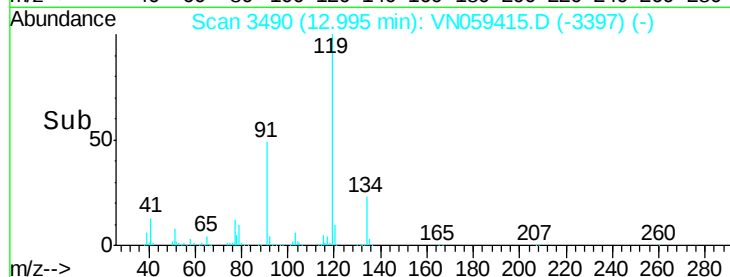
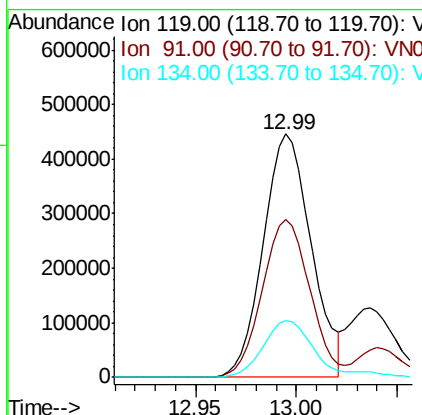
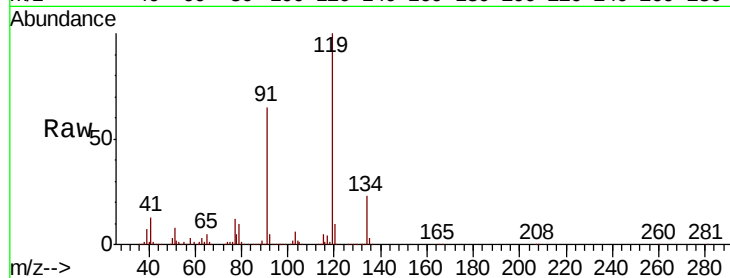
#83
tert-Butylbenzene
Concen: 48.728 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	32.8	98.4
134	25.3	13.0	38.9

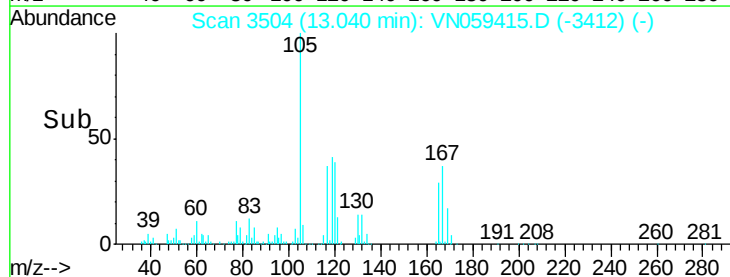
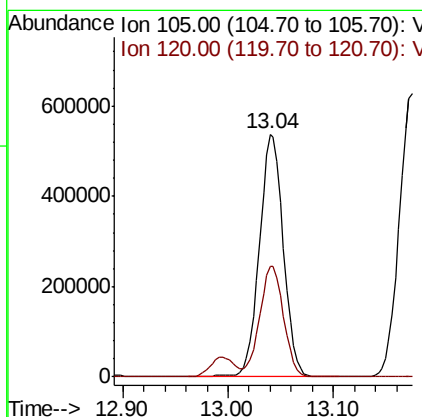
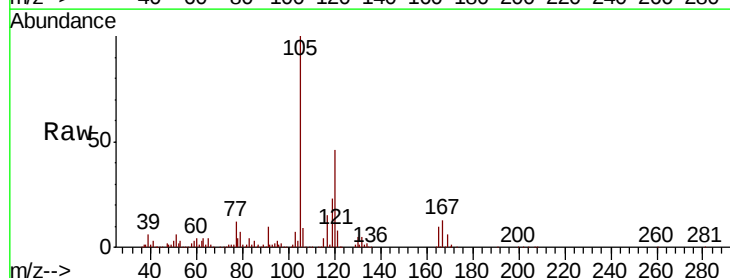
Manual Integrations
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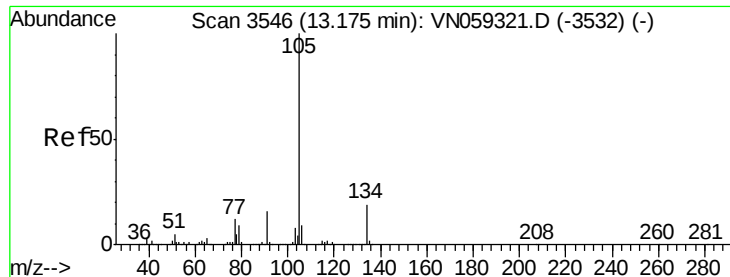
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 48.335 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





#85

sec-Butylbenzene

Concen: 48.365 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 986716

Ion Ratio Lower Upper

105 100

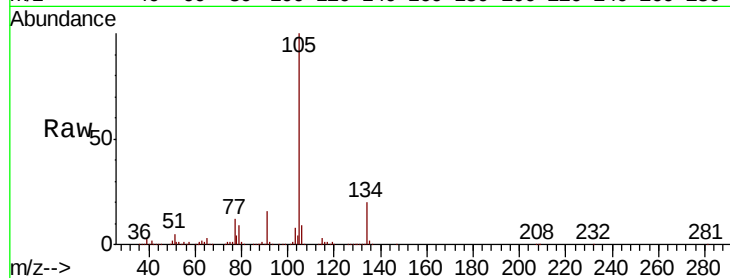
134 19.7 9.8 29.3

Manual Integrations

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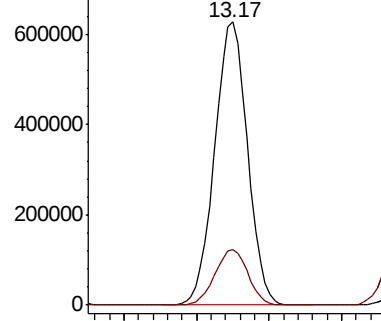
apatel

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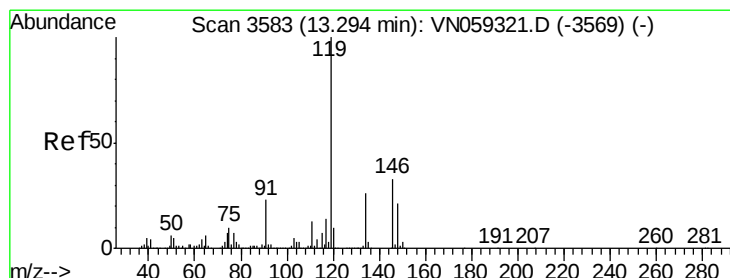
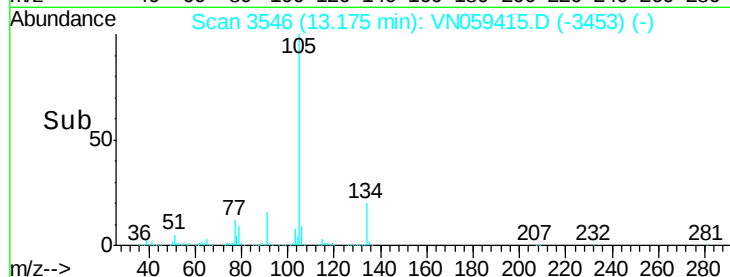


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



Time-->



#86

p-Isopropyltoluene

Concen: 49.041 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

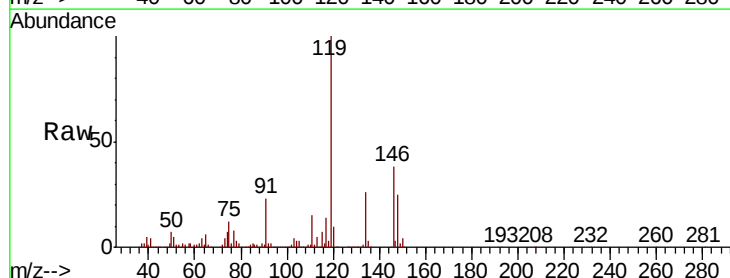
Tgt Ion:119 Resp: 890296

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

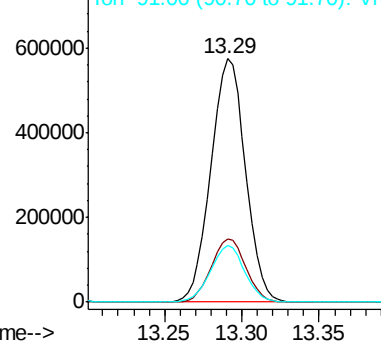
91 22.9 11.6 34.7



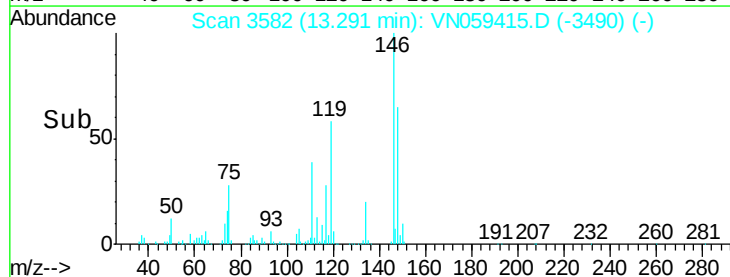
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



Time-->





#87

1,3-Dichlorobenzene

Concen: 47.218 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059415.D

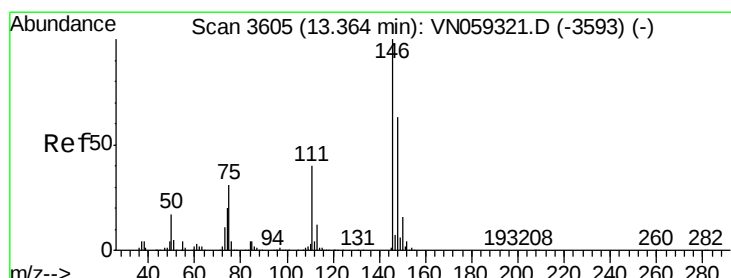
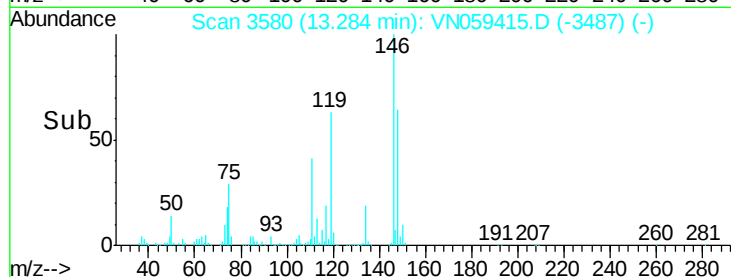
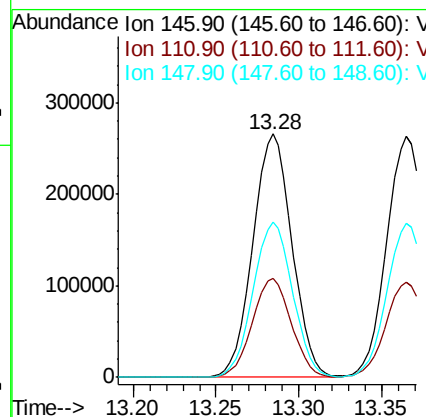
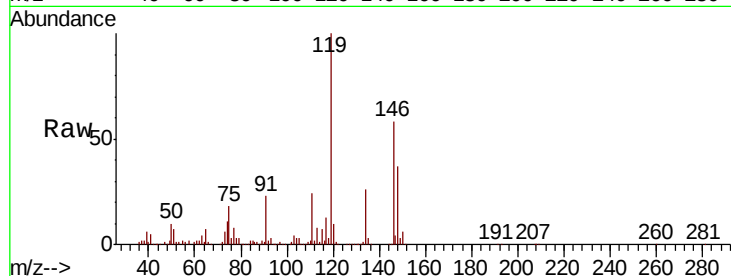
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.6	61.8
148	64.2	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 47.233 ug/l

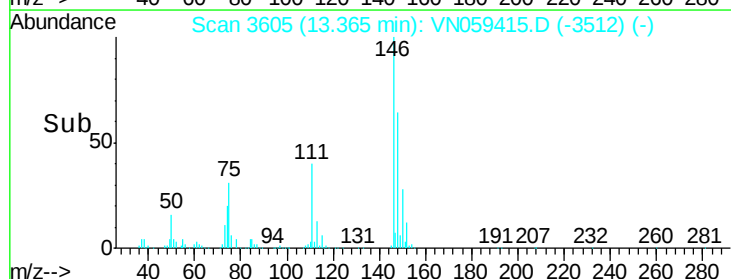
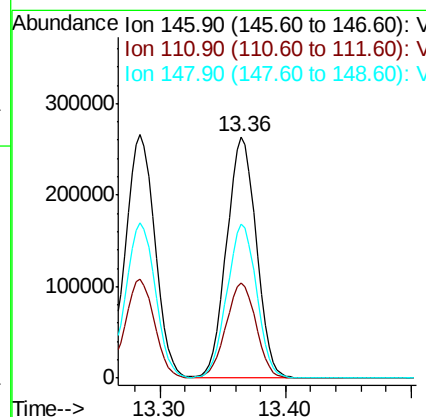
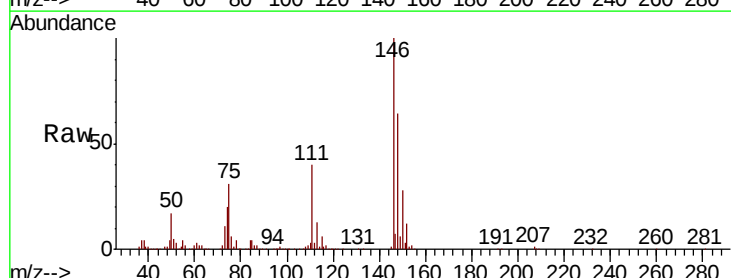
RT: 13.36 min Scan# 3605

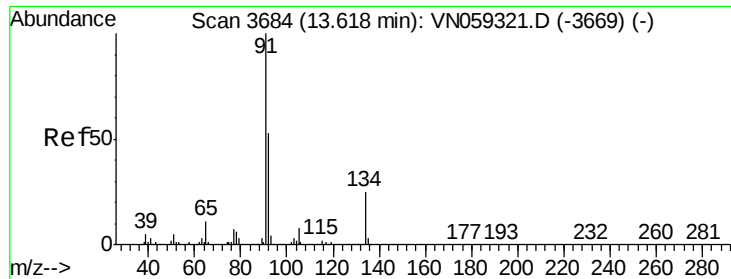
Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.1	60.3
148	64.0	31.7	95.1





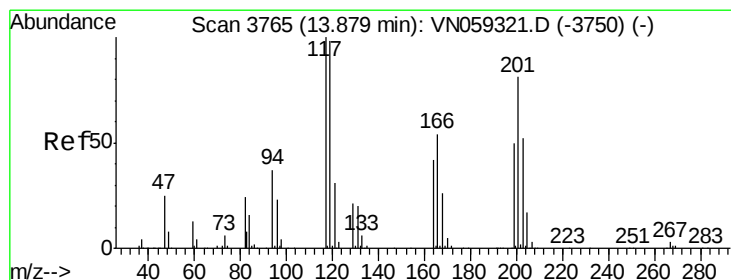
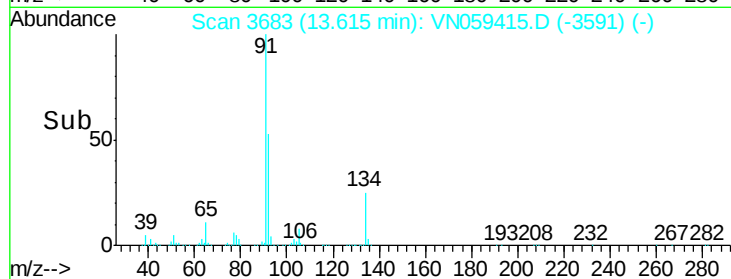
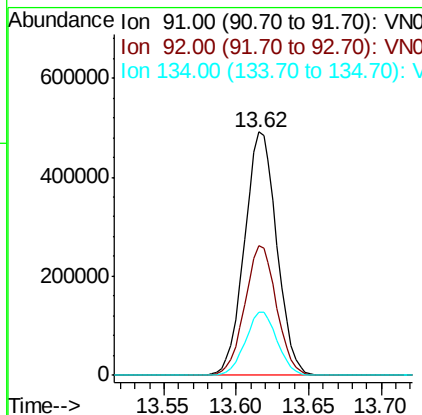
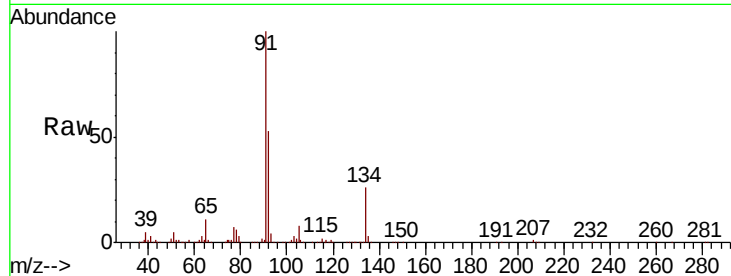
#89
n-Butylbenzene
Concen: 47.731 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.0	78.0
134	25.8	12.7	38.1

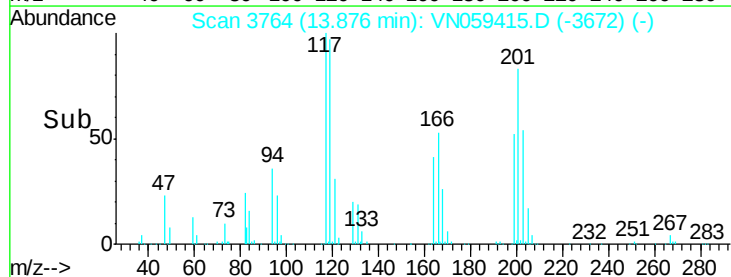
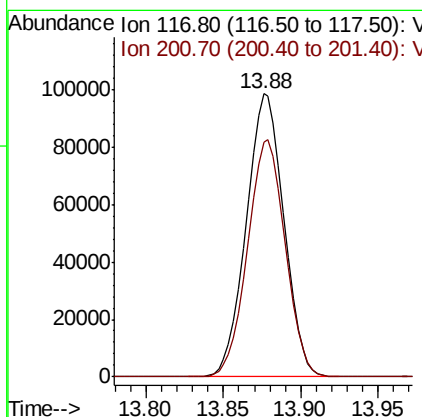
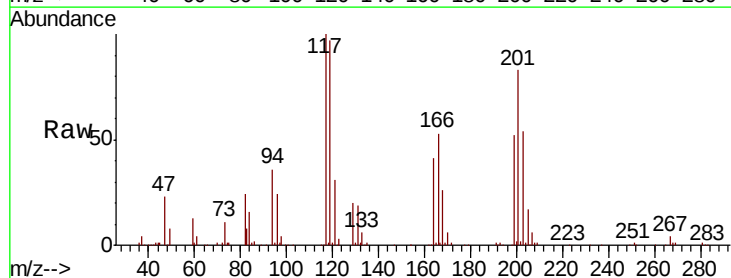
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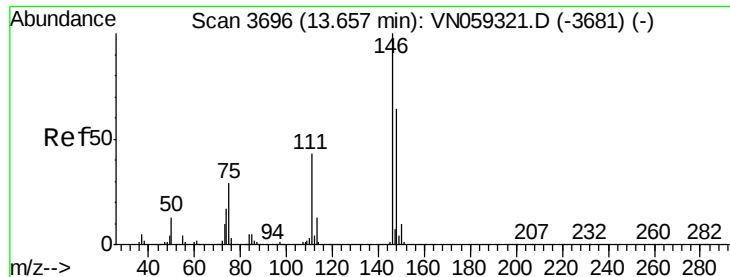
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#90
Hexachloroethane
Concen: 48.617 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059415.D
Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 47.323 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

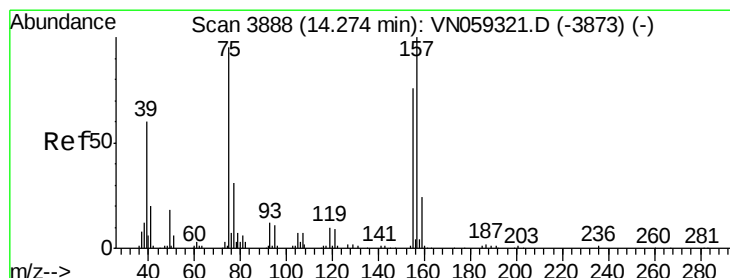
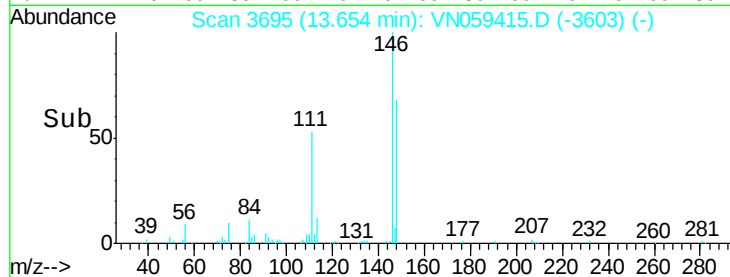
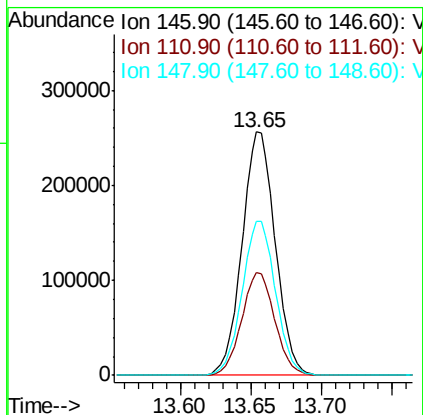
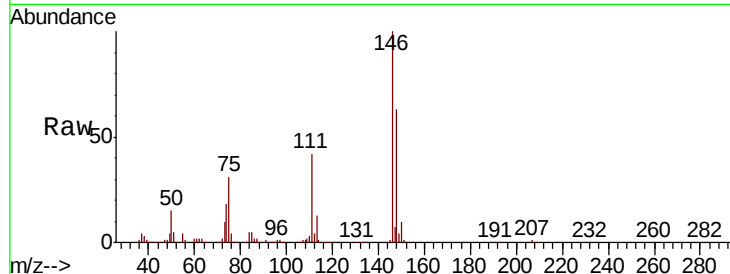
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	422821
Ion Ratio	Lower	Upper	
146	100		
111	42.1	21.3	64.0
148	63.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 44.876 ug/l

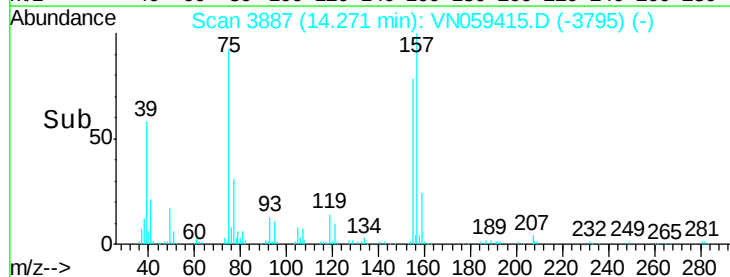
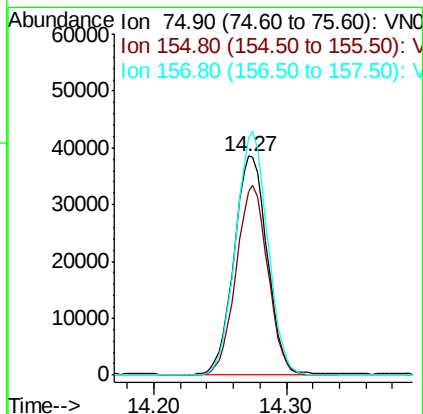
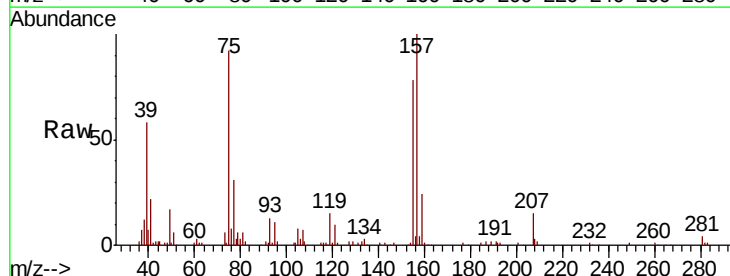
RT: 14.27 min Scan# 3887

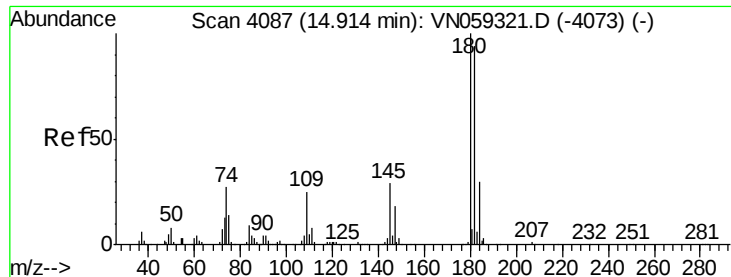
Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	75	Resp:	67477
Ion Ratio	Lower	Upper	
75	100		
155	82.3	40.5	121.5
157	106.3	52.7	158.1





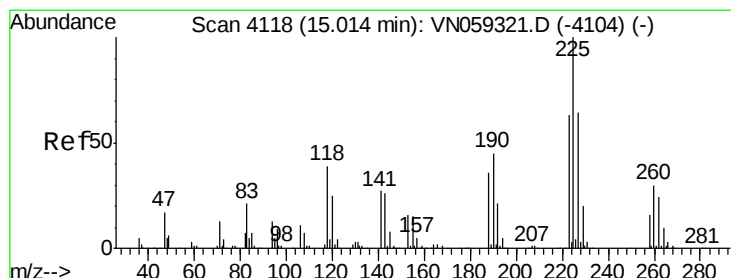
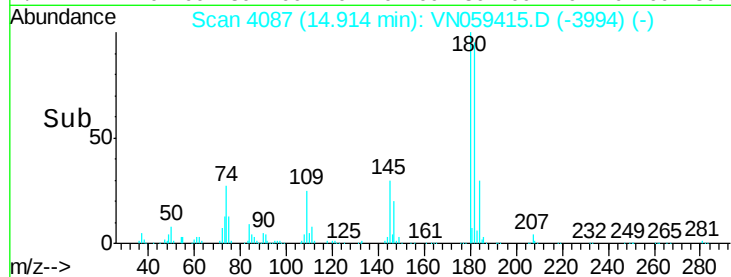
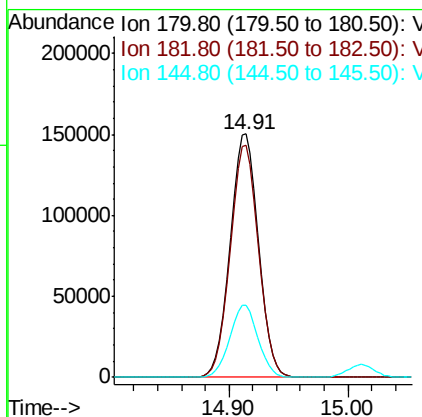
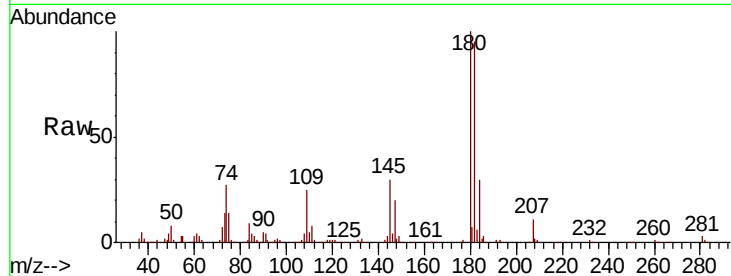
#93
 1,2,4-Trichlorobenzene
 Concen: 44.879 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.2	141.6
145	29.7	14.9	44.5

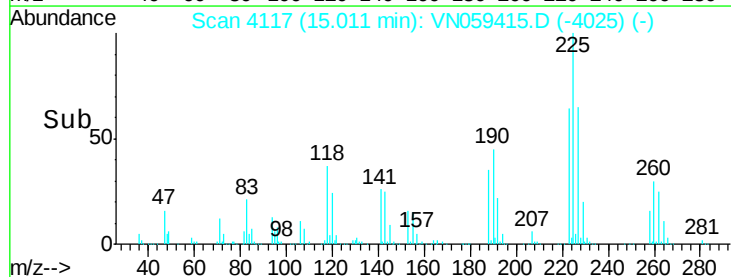
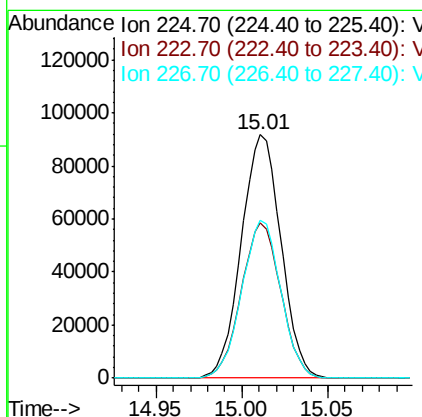
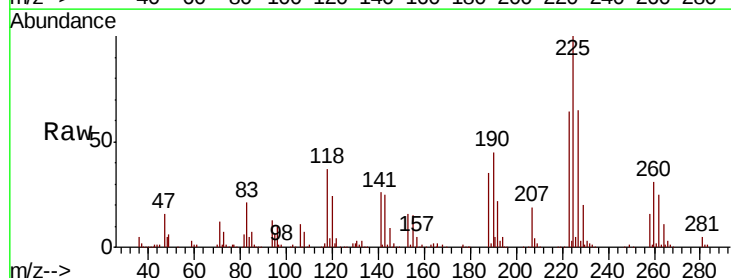
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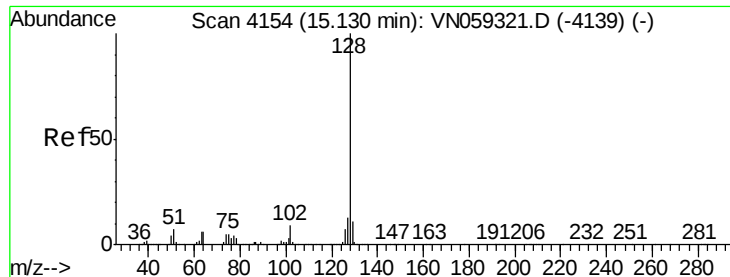
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#94
 Hexachlorobutadiene
 Concen: 45.711 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059415.D
 Acq: 26 Nov 2019 18:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.7	31.6	94.8
227	63.9	32.6	97.7





#95

Naphthalene

Concen: 43.232 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Instrument :

MSVOA_N

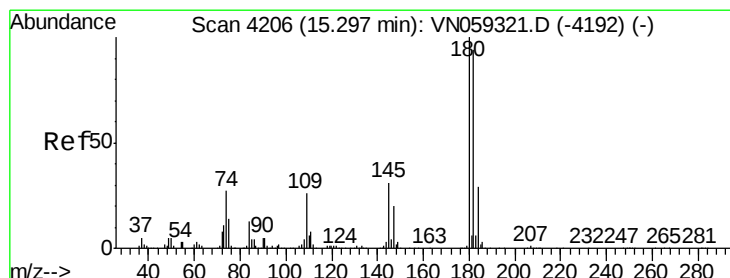
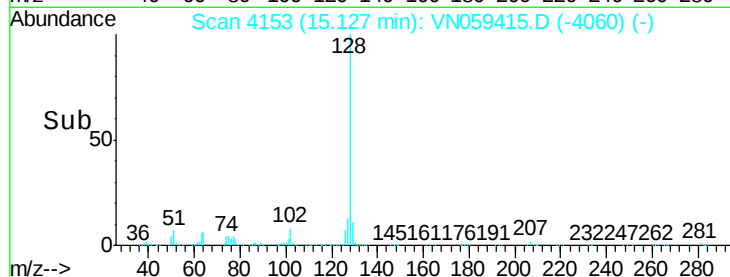
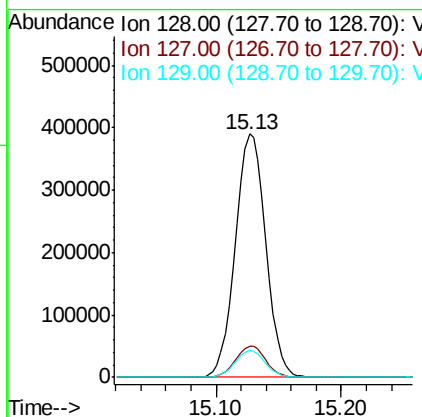
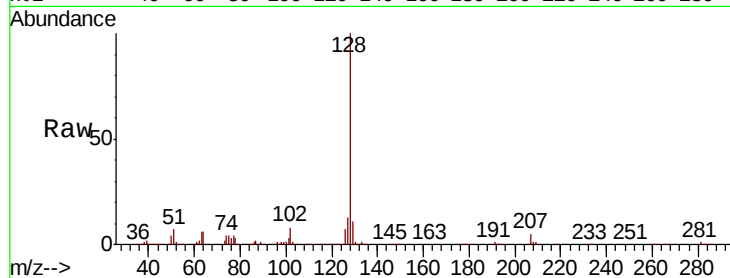
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	658184
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 45.922 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059415.D

Acq: 26 Nov 2019 18:25

Tgt Ion:	180	Resp:	249595
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.1	141.4
145	31.5	15.6	46.8

